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NEWS 10	JUN 30	STN AnaVist enhanced with database content from EPFULL
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NEWS 13	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 14	JUL 28	STN Viewer performance improved
NEWS 15	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS 16	AUG 13	CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 17	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS 18	AUG 15	CAplus currency for Korean patents enhanced
NEWS 19	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information
NEWS 20	SEP 18	Support for STN Express, Versions 6.01 and earlier, to be discontinued
NEWS 21	SEP 25	CA/CAplus current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances
NEWS 22	SEP 26	WPIDS, WPINDEX, and WPIX coverage of Chinese and and Korean patents enhanced
NEWS 23	SEP 29	IFICLS enhanced with new super search field
NEWS 24	SEP 29	EMBASE and EMBAL enhanced with new search and display fields
NEWS 25	SEP 30	CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents
NEWS 26	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS 27	OCT 07	Multiple databases enhanced for more flexible patent number searching

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 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
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chain nodes :
1  2  3  4  5  6  7  8  9  10  11  12
chain bonds :
1-2  1-11  1-12  2-3  3-4  4-5  4-10  5-6  5-9  6-7  7-8
exact/norm bonds :
1-2  1-11  1-12  2-3  3-4  4-10  5-6  5-9  6-7  7-8
exact bonds :
4-5


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10:Atom  11:Atom  12:CLASS



L1      STRUCTURE UPLOADED

=> s l1 sss sam
SAMPLE SEARCH INITIATED 09:27:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      201 TO ITERATE

100.0% PROCESSED      201 ITERATIONS                                 13 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          3170 TO     4870
PROJECTED ANSWERS:               44 TO      476

L2           13 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 09:27:53 FILE 'REGISTRY'
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FULL SCREEN SEARCH COMPLETED - 3926 TO ITERATE

100.0% PROCESSED 3926 ITERATIONS 183 ANSWERS
SEARCH TIME: 00.00.01

L3 183 SEA SSS FUL L1

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COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 178.36 178.57

FILE 'CAPLUS' ENTERED AT 09:28:00 ON 09 OCT 2008
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FILE COVERS 1907 - 9 Oct 2008 VOL 149 ISS 15
FILE LAST UPDATED: 8 Oct 2008 (20081008/ED)

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=> s l3
L4 26 L3

=> d ibib abs hitstr 26

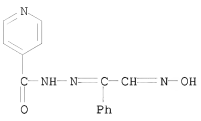
L4 ANSWER 26 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1961:99448 CAPLUS
DOCUMENT NUMBER: 55:99448
ORIGINAL REFERENCE NO.: 55:18724i,18725a-h
TITLE: Highly active anesthetics derived from falicaine: β-[4-alkoxy(and 4-alkyl)-3-pipecolino]propiophenones and thienones
AUTHOR(S): Profft, E.; Schulz, G.
CORPORATE SOURCE: Tech. Hochschule, Leuna-Merseburg, Germany
SOURCE: Archiv der Pharmazie und Berichte der Deutschen Pharmazeutischen Gesellschaft (1961), 294, 292-301
CODEN: APBDAJ; ISSN: 0376-0367
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
OTHER SOURCE(S): CASREACT 55:99448
AB Tech. β(and γ)-picoline (50 g.), 300 ml. AcOH, and 85 ml. H_2O_2 heated 12 hrs. at 70-80°, the solution concentrated in vacuo, alkalized with saturated K_2CO_3, extracted with $CHCl_3$, and the $CHCl_3$ residue distilled at 12-15 mm.

gave 4 g. 2,6-lutidine N-oxide (I), 8 g. mixture of I and β-picoline N-oxide (II), and 30 g. mixture of II and γ-picoline N-oxide. The last fraction (200 g.) was dissolved with cooling in 520 ml. H_2SO_4 and 400 ml. HNO_3, the solution slowly heated to 80-5°, warmed spontaneously to 100° with external cooling, after 20 min. heated 3-4 hrs. at 100-5°, chilled, poured on ice, and treated with K_2CO_3 until 130 g. 4-NO_2 derivative (III) of II, separated, m. 136°. To 10 g. III in 50 ml. boiling alc. was added HCl gas over 4 hrs., the alc. removed, and the residue extracted with $CHCl_3$ to give 69.5% 4-Cl derivative (IV) of II, m. 124°. IV (3 g.), 0.5 g. Na, and 80-100 ml. ROH was refluxed 2 hrs., the mixture filtered hot, the filtrate evaporated, dissolved in hot AcOEt, filtered, concentrated, and the 4-RO derivative (V) of II precipitated with Et_2O (R, m.p., and % yield given): Pr, 77°, 80; Bu, 68°, 79.3; amyl, 58°, 71; $Me(CH_2)_5$, 49°, 64; $Me(CH_2)_6$, 56°, 57.9; $Me(CH_2)_7$, 69°, 50.3; iso-Pr, 73°, 83; iso-Bu, 79-80°, 74; iso-Am, 61°, 66.2. Refluxing 2 g. IV with 5 ml. $H_2NCH_2CH_2OH$ 2 hrs. gave 70.4% 4-(β-aminoethoxy) derivative of II.HCl, m. 159°. V (0.02 mole) in 50 ml. 2N H_2SO_4 at 60-70° was treated portionwise with 4.5 g. Zn and kept 8 hrs. to give 4-alkoxy-β-picoline (alkoxy group, b.p., % yield, n20D and m.p. of methiodide given): MeO, b12 105-7°, 86.5, 1.5103, 133°; EtO, b12 109-11°, 81.6, 1.5042, 111°; PrO (VI), b4 94-6°, 85.8, 1.5016, 96°; BuO, b4 99°, 78.6, 1.4979, 91°; $Me(CH_2)_4O$, b7 128°, 75.4, 1.4960, 98°; $Me(CH_2)_5O$, b4 105-6°, 72.2, 1.4937, 105°; $Me(CH_2)_6O$, b4 110-11°, 72, 1.4886, 111°; $Me(CH_2)_7O$, b4 117-19°, 70.1, 1.4856, 119°; iso-PrO, b4 93°, 82.6, 1.4998, 93°; iso-BuO, b4 97-9°, 81.5, 1.4953, 101°; isoamyloxy, b4 103-5°, 80.9, 1.4939, 107°. VI (30 g.) and 5 g. Raney Ni was reduced at 150°/200 atmospheric 12 hrs. to give 25.7% 4-propoxy-β-pipecoline (VII), b5 89-91°, n20D 1.4920; chlorplatinate m. 192°. Heating 3.9 g. VII.HCl, 10 ml. p-$PrOC_6H_4COMe$ (VIII), 0.5 g. paraformaldehyde, and a drop of concentrated HCl 10 hrs. at 100° gave 10.4% the Mannich base HCl salt, m. 168°, a very weak local anesthetic. To 2 l. liquid NH_3 was added a few crystals of $Fe(NO_3)_3$ and 12.5 g. Na, then quickly 0.5 mole 3,4-lutidine, and after 10 min. 0.5 mole RCl dropwise, the NH_3 evaporated, the residue treated with 2N Na_2CO_3 steam distilled, the distillate acidified with HCl, concentrated to 50 ml., alkalized with NaOH, and Et_2O-extracted to give 4-alkyl-β-picoline (IX), oxidized with H_2O_2 in AcOH to the N-oxide (X), which was reduced with Na in alc. to the β-pipecoline derivative (XI) (R, b.p., % yield, n20D, m.p. of methiodide of IX, m.p., % yield, m.p. of picrate of X, b.p., % yield, n20D, and m.p. of HCl salt of XI given): Me (XII), -, -, -, -, 85°, 78.7, 149°, 162°, 71, 1.4782, 155-6°; Et (XIII), 195-7°, 48.9, 1.5082, 122°, 102°, 79.4, 141°, 191°, 73.4, 1.4769, 146°; Pr (XIV), 205-7°, 32.9, 1.5041, 103°, 106°, 71.5, 121°, 193-5°, 70.6, 1.4756, 116°; Bu (XV), b12 101-3°, 18.3, 1.4990, 98°, 113°, 68.7, 107-8°, 201°, 60.4, 1.4721, 94°. XI.HCl (1 g.) in 10 ml. alc. was treated under Mannich conditions as above with 4 g. VIII, 5 g. 5-propyl-2-acetothienone (XVI), or 5 g. 5-isoamyloxy-2-acetothienone (XVII) to give the Mannich base (ketone, 4-alkyl-β-pipecoline, m.p., and % yield given): VIII, XII, 179°, 72.6; VIII, XIII, 171°, 64.7; VIII, XIV, 166°, 62.8; VIII, XV, 160-1°, 55.2; XVI, XII, 196°, 63.6; XVI, XIII, 187°, 57.1; XVI, XIV, 180°, 59.6; XVI, XV, 176°, 61.7; XVII, XII, 201°, 52; XVII, XIV, 189°, 53.1. The compds. showed good local anesthetic properties.

IT 106271-24-3

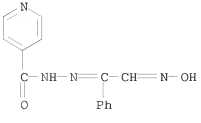
(Derived from data in the 6th Collective Formula Index (1957-1961))

RN 106271-24-3 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



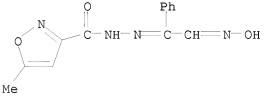
=> d ibib abs hitstr 25

L4 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1961:99449 CAPLUS
DOCUMENT NUMBER: 55:99449
ORIGINAL REFERENCE NO.: 55:18725h-i,18726a
TITLE: Condensation of hydrazides and isonitroso ketones
AUTHOR(S): Giammanco, Lorenzo
CORPORATE SOURCE: Univ. Palermo, Italy
SOURCE: Annali di Chimica (Rome, Italy) (1961), 51, 175-80
CODEN: ANCRAI; ISSN: 0003-4592
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB The title-indicated condensation products were of biol. interest by virtue of the presence of the tuberculostatically active-CONHNC: group and the :NOH group which imparted important antiparasitic, fungicidal and bactericidal properties. The compds. were prepared by the reaction of various hydrazides and isonitroso ketones using 95% EtOH to dissolve the reagents, either separately or together, and refluxing, or combining the reagent solns. In one case, NaOAc was added before refluxing and the product recovered by Et2O extraction The following compds. were prepared (R = 4-pyridyl, R1 = 2-methyl-4-isoxazolyl) (formula, and m.p. given): RCONHN:CMeCH:NOH, 185-7°; RCONHN:CMeCMe:NOH, 244°; RCONHN:CPhCH:NOH, 208 9°; AcNHN:CMeCH:NOH, 185°; AcNHN:CMeCMe:NOH, 240°; AcNHN:CPhCH:NOH, 157-8°; RCONHN:CMeCH:NOH, 214°; R'CONHN:CMeCMe:NOH, 229°; R'CONHN:CPhCH:NOH, 225°; R'CONHN:CPhC(CO2Et): NOH, 235°.
IT 106271-24-3
(Derived from data in the 6th Collective Formula Index (1957-1961))
RN 106271-24-3 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)

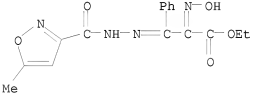


IT 100725-09-5P, Hydrazine, 1-α-formylbenzylidene-2-(5-methyl-3-

isoxazolylcarbonyl)-, oxime 856640-00-1P, Hydrazine,
1-(α-carboxycarbonylbenzylidene)-2-(5-methyl-3-isoxazolylcarbonyl)-,
ethyl ester, oxime
RL: PREP (Preparation)
(preparation of)
RN 100725-09-5 CAPLUS
CN 3-Isoxazolecarboxylic acid, 5-methyl-, 2-[2-(hydroxyimino)-1-
phenylethylidene]hydrazide (CA INDEX NAME)



RN 856640-00-1 CAPLUS
CN 3-Isoxazolecarboxylic acid, 5-methyl-, 2-[3-ethoxy-2-(hydroxyimino)-3-oxo-
1-phenylpropylidene]hydrazide (CA INDEX NAME)



=> d ibib abs hitstr 1-24

L4 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2008:10602 CAPLUS
DOCUMENT NUMBER: 148:113191
TITLE: Methods for identifying modulators of Eoxin formation
INVENTOR(S): Claesson, Hans-Erik; Bjoerkholm, Magnus
PATENT ASSIGNEE(S): Biolipox AB, Swed.; Pilkington, Stephanie
SOURCE: PCT Int. Appl., 126pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008001079	A1	20080103	WO 2007-GB2394	20070627
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,				

BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

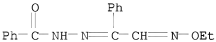
PRIORITY APPLN. INFO.: SE 2006-1394 A 20060627

AB A method for identifying a compound for modulating the formation of 14,15-LTC4 (Eoxin C4; EoxC4), 14,15-LTD4 (Eoxin D4; EoxD4), or 14,15-LTE4 (Eoxin E4; EoxE4) in a biol. system. A method for identifying a compound with an anti-inflammatory effect, the method comprising testing the compound for an effect on formation and/or activity of 14,15-LTC4 (Eoxin C4; EoxC4), 14,15-LTD4 (Eoxin D4; EoxD4), or 14,15-LTE4 (Eoxin E4; EoxE4) in a biol. system. A method of making an anti-inflammatory composition or Eoxin formation-modulating composition comprising (i) identifying an anti-inflammatory compound or Eoxin formation-modulating compound by a method of the invention; (ii) combining the compound with a pharmaceutically acceptable excipient or carrier.

IT 864446-67-3P 864447-06-3P
RL: PAC (Pharmacological activity); PRPH (Prophetic); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Eoxin formation inhibition by; methods for identifying modulators of Eoxin formation as anti-inflammatory agents and bone loss inhibitors and for Eoxins to promote inflammation)

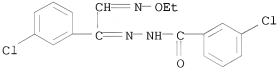
RN 864446-67-3 CAPLUS

CN Benzoic acid, 2-[2-(ethoxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



RN 864447-06-3 CAPLUS

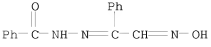
CN Benzoic acid, 3-chloro-, 2-[1-(3-chlorophenyl)-2-(ethoxyimino)ethylidene]hydrazide (CA INDEX NAME)



IT 58644-42-1P
RL: PRPH (Prophetic); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(methods for identifying modulators of Eoxin formation as anti-inflammatory agents and bone loss inhibitors and for Eoxins to promote inflammation)

RN 58644-42-1 CAPLUS

CN Benzoic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)

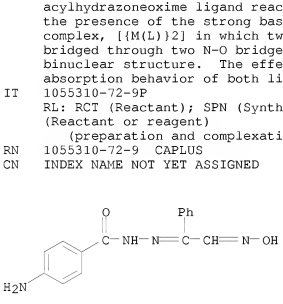


REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:864716 CAPLUS
DOCUMENT NUMBER: 149:346067
TITLE: Synthesis and characterization of copper(II) and nickel(II) complexes of isonitrosoacetophenone 4-aminobenzoylhydrazone
AUTHOR(S): Usluer, O.; Gup, R.
CORPORATE SOURCE: Department of Chemistry, Faculty of Arts and Science, Mugla University, Mugla, 48000, Turk.
SOURCE: Polish Journal of Chemistry (2007), 81(7), 1257-1265
CODEN: PJCHDQ; ISSN: 0137-5083
PUBLISHER: Polish Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Two types of copper complexes as well as an oximate bridged nickel complex with a new tridentate ligand containing a monoxime and hydrazone moieties were prepared and characterized by elemental analyses, IR, 1H NMR, UV-visible and magnetic susceptibility measurements. The reaction of isonitrosoacetophenone 4-aminobenzoylhydrazone (H2L) with CuCl2·2H2O gives [Cu(H2L)Cl2] where the ligand acts as a neutral O,N,N-tridentate and the coordination takes place in the keto form. The acylhydrazoneoxime ligand reacts with copper(II) and nickel(II) acetate in the presence of the strong base to produce common bimetal(II) oximato complex, [{M(L)}2] in which two copper(II) and nickel(II) atoms are bridged through two N-O bridges of the oximato ligand to afford a binuclear structure. The effects of varying pH and solvent on the absorption behavior of both ligand and complexes were studied.

IT 1055310-72-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and complexation with copper(II) and nickel(II))
RN 1055310-72-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

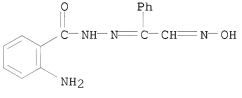
L4 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:1052073 CAPLUS
DOCUMENT NUMBER: 146:162783
TITLE: Metal complexes and solvent extraction properties of isonitrosoacetophenone 2-aminobenzoylhydrazone
AUTHOR(S): Gup, Ramazan; Giziroglu, Emrah
CORPORATE SOURCE: Department of Chemistry, Mugla University, Mugla, 48000, Turk.
SOURCE: Spectrochimica Acta, Part A: Molecular and Biomolecular Spectroscopy (2006), 65A(3-4), 719-726
CODEN: SAMCAS; ISSN: 1386-1425
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 146:162783

AB Preparation, spectral, metal-coordination/extraction properties of isonitrosoacetophenone, aminobenzoylhydrazone were described. Three types of copper complexes as well as an oximate-bridged nickel complex with isonitrosoacetophenone 2-aminobenzoylhydrazone (H2L) have been synthesized in ethanolic solution and characterized by elemental analyses, IR, UV-vis and magnetic susceptibility measurement. IR spectra show the ligand coordinates as a neutral, monoanionic and dianionic O,N,N-tridentate acylhydrazoneoxime ligand depending reaction conditions and metal salts employed. The elemental analyses results, spectroscopic and magnetic data are consistent with the formation of mononuclear copper complexes and binuclear complexes with both copper and nickel. The effects of varying pH and solvent on the absorption behavior of both ligand and complexes have been investigated. The extraction ability of acylhydrazoneoxime ligand has been examined by the liquid-liquid extraction of selected transition metal [Cu2+, Ni2+, Co2+, Cr3+, Hg2+, Zn2+, Cd2+ and Mn2+] cations. The ligand shows strong binding ability toward copper(II) ion.

IT 864446-48-0P
RL: PEP (Physical, engineering or chemical process); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)
(preparation, spectral, metal-coordination/extraction properties of isonitrosoacetophenone aminobenzoylhydrazone)

RN 864446-48-0 CAPLUS

CN Benzoic acid, 2-amino-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:1004552 CAPLUS
DOCUMENT NUMBER: 143:286177
TITLE: Preparation of benzohydrazide lipoxygenase inhibitors useful in the treatment of inflammatory diseases
INVENTOR(S): Olofsson, Kristofer; Pelcman, Benjamin; Nilsson, Peter; Schaal, Wesley; Hallberg, Anders
PATENT ASSIGNEE(S): Biolipox AB, Swed.
SOURCE: PCT Int. Appl., 119 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005084656	A1	20050915	WO 2005-GB780	20050302
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,				

SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1725227 A1 20061129 EP 2005-717858 20050302
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

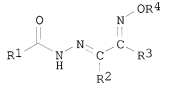
JP 2007526290 T 20070913 JP 2007-501342 20050302

US 20080227787 A1 20080918 US 2006-590450 20061127

PRIORITY APPLN. INFO.: US 2004-549143P P 20040303
WO 2005-GB780 W 20050302

OTHER SOURCE(S): CASREACT 143:286177; MARPAT 143:286177

GI



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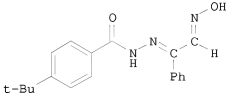

II

AB The invention is related to the use of benzohydrazides of formula (I) [R1, R2 = independently (un)substituted hetero/aryl; R3, R4 = independently H, (un)substituted alkyl], their geometrical isomers and pharmaceutically acceptable salts for the manufacture of a medicament for the treatment of a disease in which inhibition of the activity of a lipoxygenase, particularly 15-lipoxygenase, is desired and/or required, such as inflammation (no data). The invention is also related to the preparation of compds. I. Thus, reacting 4-tert-butylbenzoic hydrazide with 2-isonitrosoacetophenone gave hydrazide II in 22% yield. I were found to exhibit at least 50% inhibition of 15-lipoxygenase at a concentration of 10 μM or below.

IT 864445-94-3P, 3-Chloro-N'-[2-(hydroxyimino)-1-phenylethylidene]benzoic hydrazide 864447-00-7P, 3-Chloro-N'-[2-(hydroxyimino)-1-(3-chlorophenyl)ethylidene]benzoic hydrazide
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; preparation of benzohydrazide lipoxygenase inhibitors useful in treatment of inflammatory diseases)

RN 864445-94-3 CAPLUS

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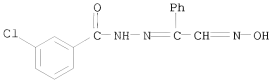

RN 864447-00-7 CAPLUS
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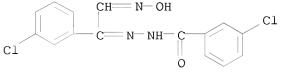

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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of benzohydrazide lipoxygenase inhibitors useful in treatment of inflammatory diseases)

RN 93721-80-3 CAPLUS
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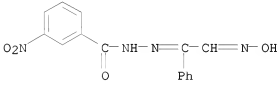

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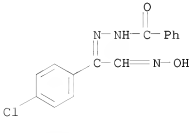

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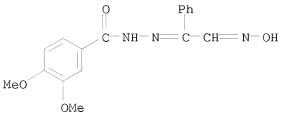

RN 864445-91-0 CAPLUS
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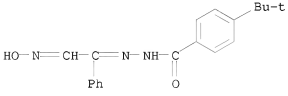
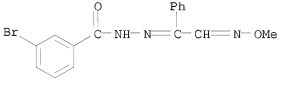
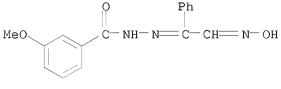


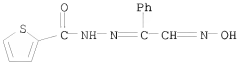
RN 864445-92-1 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[2-(methoxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



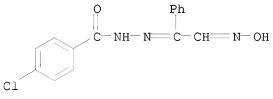
RN 864445-93-2 CAPLUS
CN Benzoic acid, 3-methoxy-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



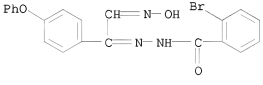
RN 864445-95-4 CAPLUS
CN 2-Thiophenecarboxylic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



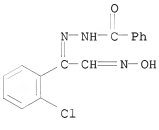
RN 864445-96-5 CAPLUS
CN Benzoic acid, 4-chloro-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



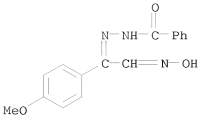
RN 864445-97-6 CAPLUS
CN Benzoic acid, 2-bromo-, 2-[2-(hydroxyimino)-1-(4-phenoxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



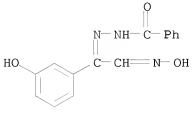
RN 864445-98-7 CAPLUS
CN Benzoic acid, 2-[1-(2-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



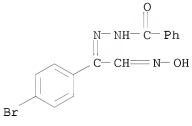
RN 864445-99-8 CAPLUS
CN Benzoic acid, 2-[2-(hydroxyimino)-1-(4-methoxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



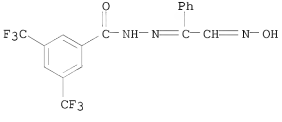
RN 864446-00-4 CAPLUS
CN Benzoic acid, 2-[2-(hydroxyimino)-1-(3-hydroxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



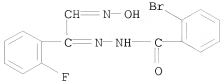
RN 864446-01-5 CAPLUS
CN Benzoic acid, 2-[1-(4-bromophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



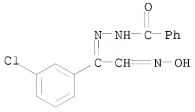
RN 864446-02-6 CAPLUS
CN Benzoic acid, 3,5-bis(trifluoromethyl)-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



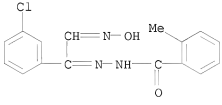
RN 864446-03-7 CAPLUS
CN Benzoic acid, 2-bromo-, 2-[1-(2-fluorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



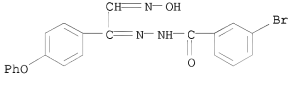
RN 864446-04-8 CAPLUS
CN Benzoic acid, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



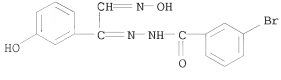
RN 864446-05-9 CAPLUS
CN Benzoic acid, 2-methyl-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



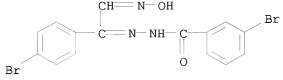
RN 864446-06-0 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[2-(hydroxyimino)-1-(4-phenoxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



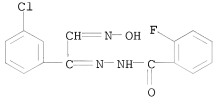
RN 864446-07-1 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[2-(hydroxyimino)-1-(3-hydroxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



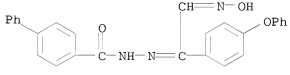
RN 864446-08-2 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[1-(4-bromophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



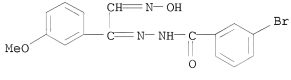
RN 864446-09-3 CAPLUS
CN Benzoic acid, 2-fluoro-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



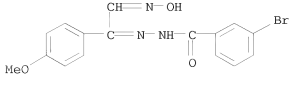
RN 864446-10-6 CAPLUS
CN [1,1'-Biphenyl]-4-carboxylic acid, 2-[2-(hydroxyimino)-1-(4-phenoxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



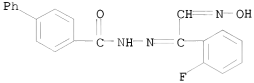
RN 864446-11-7 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[2-(hydroxyimino)-1-(3-methoxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



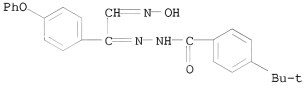
RN 864446-13-9 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[2-(hydroxyimino)-1-(4-methoxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



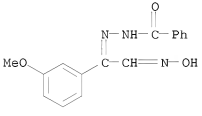
RN 864446-14-0 CAPLUS
CN [1,1'-Biphenyl]-4-carboxylic acid, 2-[1-(2-fluorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



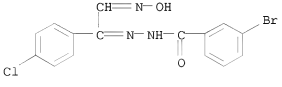
RN 864446-15-1 CAPLUS
CN Benzoic acid, 4-(1,1-dimethylethyl)-, 2-[2-(hydroxyimino)-1-(4-phenoxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



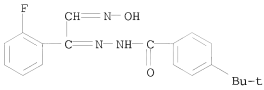
RN 864446-16-2 CAPLUS
CN Benzoic acid, 2-[2-(hydroxyimino)-1-(3-methoxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



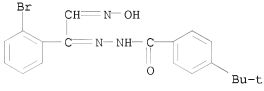
RN 864446-17-3 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[1-(4-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



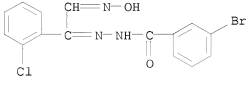
RN 864446-18-4 CAPLUS
CN Benzoic acid, 4-(1,1-dimethylethyl)-, 2-[1-(2-fluorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



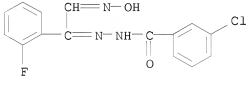
RN 864446-19-5 CAPLUS
CN Benzoic acid, 4-(1,1-dimethylethyl)-, 2-[1-(2-bromophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



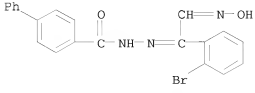
RN 864446-20-8 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[1-(2-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



RN 864446-22-0 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[1-(2-fluorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)

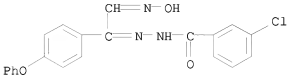


RN 864446-24-2 CAPLUS
CN [1,1'-Biphenyl]-4-carboxylic acid, 2-[1-(2-bromophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)

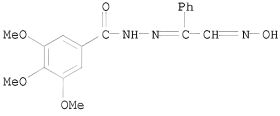


RN 864446-25-3 CAPLUS

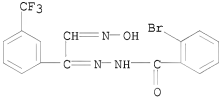
CN Benzoic acid, 3-chloro-, 2-[2-(hydroxyimino)-1-(4-phenoxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



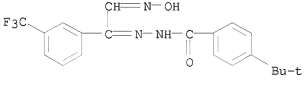
RN 864446-26-4 CAPLUS
CN Benzoic acid, 3,4,5-trimethoxy-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



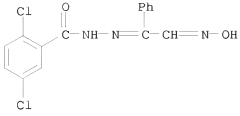
RN 864446-27-5 CAPLUS
CN Benzoic acid, 2-bromo-, 2-[2-(hydroxyimino)-1-[3-(trifluoromethyl)phenyl]ethylidene]hydrazide (CA INDEX NAME)



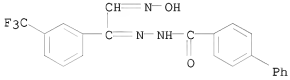
RN 864446-28-6 CAPLUS
CN Benzoic acid, 4-(1,1-dimethylethyl)-, 2-[2-(hydroxyimino)-1-[3-(trifluoromethyl)phenyl]ethylidene]hydrazide (CA INDEX NAME)



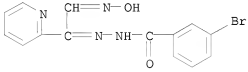
RN 864446-29-7 CAPLUS
CN Benzoic acid, 2,5-dichloro-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



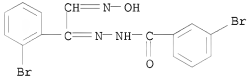
RN 864446-30-0 CAPLUS
CN [1,1'-Biphenyl]-4-carboxylic acid, 2-[2-(hydroxyimino)-1-[3-(trifluoromethyl)phenyl]ethylidene]hydrazide (CA INDEX NAME)



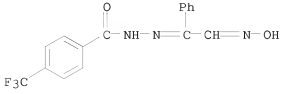
RN 864446-31-1 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[2-(hydroxyimino)-1-(2-pyridinyl)ethylidene]hydrazide (CA INDEX NAME)



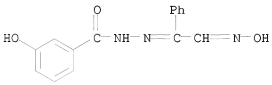
RN 864446-32-2 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[1-(2-bromophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



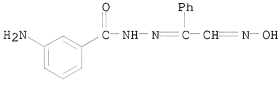
RN 864446-33-3 CAPLUS
CN Benzoic acid, 4-(trifluoromethyl)-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



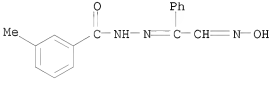
RN 864446-34-4 CAPLUS
CN Benzoic acid, 3-hydroxy-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



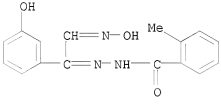
RN 864446-35-5 CAPLUS
CN Benzoic acid, 3-amino-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



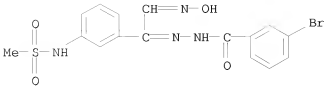
RN 864446-36-6 CAPLUS
CN Benzoic acid, 3-methyl-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



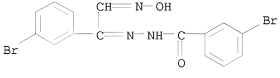
RN 864446-37-7 CAPLUS
CN Benzoic acid, 2-methyl-, 2-[2-(hydroxyimino)-1-(3-hydroxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



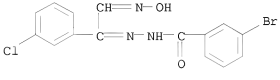
RN 864446-38-8 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[2-(hydroxyimino)-1-[3-[(methylsulfonyl)amino]phenyl]ethylidene]hydrazide (CA INDEX NAME)



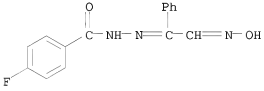
RN 864446-39-9 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[1-(3-bromophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



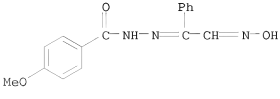
RN 864446-40-2 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



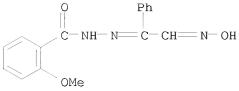
RN 864446-41-3 CAPLUS
CN Benzoic acid, 4-fluoro-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



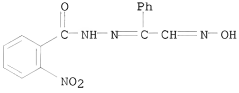
RN 864446-42-4 CAPLUS
CN Benzoic acid, 4-methoxy-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



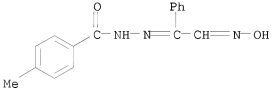
RN 864446-43-5 CAPLUS
CN Benzoic acid, 2-methoxy-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



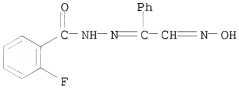
RN 864446-44-6 CAPLUS
CN Benzoic acid, 2-nitro-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



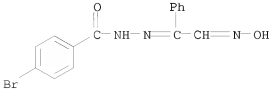
RN 864446-45-7 CAPLUS
CN Benzoic acid, 4-methyl-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



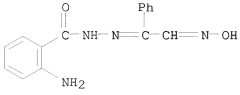
RN 864446-46-8 CAPLUS
CN Benzoic acid, 2-fluoro-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



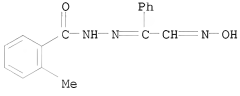
RN 864446-47-9 CAPLUS
CN Benzoic acid, 4-bromo-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



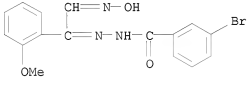
RN 864446-48-0 CAPLUS
CN Benzoic acid, 2-amino-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



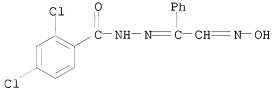
RN 864446-49-1 CAPLUS
CN Benzoic acid, 2-methyl-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



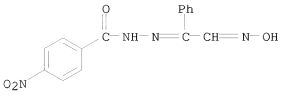
RN 864446-50-4 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[2-(hydroxyimino)-1-(2-methoxyphenyl)ethylidene]hydrazide (CA INDEX NAME)



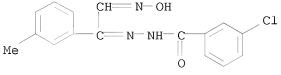
RN 864446-51-5 CAPLUS
CN Benzoic acid, 2,4-dichloro-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



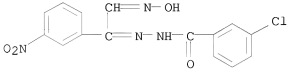
RN 864446-52-6 CAPLUS
CN Benzoic acid, 4-nitro-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



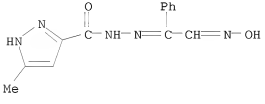
RN 864446-53-7 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[2-(hydroxyimino)-1-(3-methylphenyl)ethylidene]hydrazide (CA INDEX NAME)



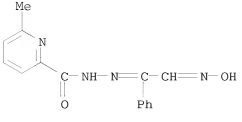
RN 864446-54-8 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[2-(hydroxyimino)-1-(3-nitrophenyl)ethylidene]hydrazide (CA INDEX NAME)



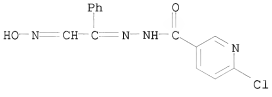
RN 864446-55-9 CAPLUS
CN 1H-Pyrazole-3-carboxylic acid, 5-methyl-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



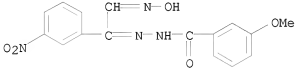
RN 864446-56-0 CAPLUS
CN 2-Pyridinecarboxylic acid, 6-methyl-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



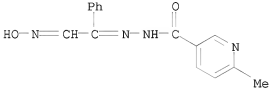
RN 864446-57-1 CAPLUS
CN 3-Pyridinecarboxylic acid, 6-chloro-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



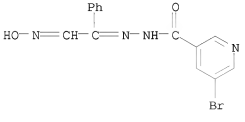
RN 864446-58-2 CAPLUS
CN Benzoic acid, 3-methoxy-, 2-[2-(hydroxyimino)-1-(3-nitrophenyl)ethylidene]hydrazide (CA INDEX NAME)



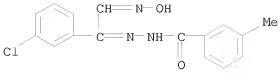
RN 864446-59-3 CAPLUS
CN 3-Pyridinecarboxylic acid, 6-methyl-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



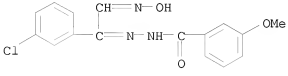
RN 864446-60-6 CAPLUS
CN 3-Pyridinecarboxylic acid, 5-bromo-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



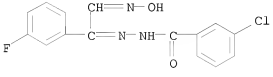
RN 864446-61-7 CAPLUS
CN Benzoic acid, 3-methyl-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



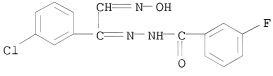
RN 864446-62-8 CAPLUS
CN Benzoic acid, 3-methoxy-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



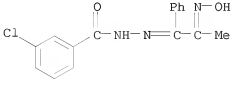
RN 864446-63-9 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[1-(3-fluorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



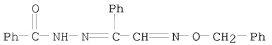
RN 864446-64-0 CAPLUS
CN Benzoic acid, 3-fluoro-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



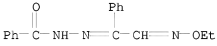
RN 864446-65-1 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[2-(hydroxyimino)-1-phenylpropylidene]hydrazide (CA INDEX NAME)



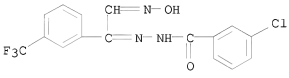
RN 864446-66-2 CAPLUS
CN Benzoic acid, 2-[1-phenyl-2-[(phenylmethoxy)imino]ethylidene]hydrazide (CA INDEX NAME)



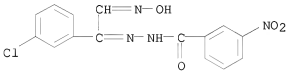
RN 864446-67-3 CAPLUS
CN Benzoic acid, 2-[2-(ethoxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



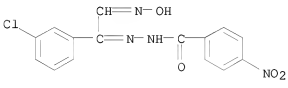
RN 864446-68-4 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[2-(hydroxyimino)-1-[3-(trifluoromethyl)phenyl]ethylidene]hydrazide (CA INDEX NAME)



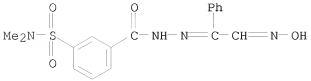
RN 864446-69-5 CAPLUS
CN Benzoic acid, 3-nitro-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



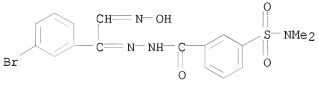
RN 864446-70-8 CAPLUS
CN Benzoic acid, 4-nitro-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



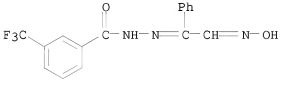
RN 864446-71-9 CAPLUS
CN Benzoic acid, 3-[(dimethylamino)sulfonyl]-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



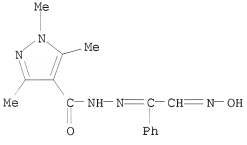
RN 864446-72-0 CAPLUS
CN Benzoic acid, 3-[(dimethylamino)sulfonyl]-, 2-[1-(3-bromophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



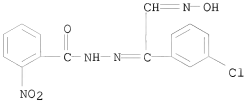
RN 864446-73-1 CAPLUS
CN Benzoic acid, 3-(trifluoromethyl)-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



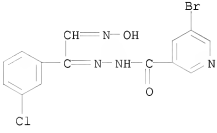
RN 864446-74-2 CAPLUS
CN 1H-Pyrazole-4-carboxylic acid, 1,3,5-trimethyl-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



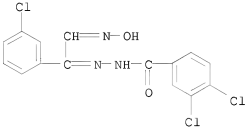
RN 864446-75-3 CAPLUS
CN Benzoic acid, 2-nitro-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



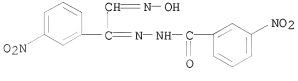
RN 864446-77-5 CAPLUS
CN 3-Pyridinecarboxylic acid, 5-bromo-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



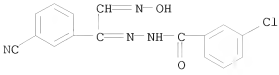
RN 864446-78-6 CAPLUS
CN Benzoic acid, 3,4-dichloro-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



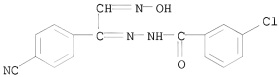
RN 864446-79-7 CAPLUS
CN Benzoic acid, 3-nitro-, 2-[2-(hydroxyimino)-1-(3-nitrophenyl)ethylidene]hydrazide (CA INDEX NAME)



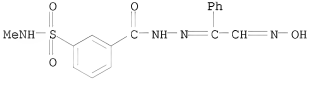
RN 864446-80-0 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[1-(3-cyanophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



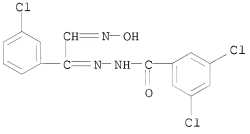
RN 864446-81-1 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[1-(4-cyanophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



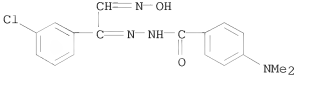
RN 864446-82-2 CAPLUS
CN Benzoic acid, 3-[(methylamino)sulfonyl]-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



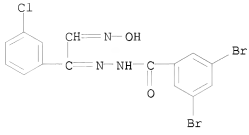
RN 864446-83-3 CAPLUS
CN Benzoic acid, 3,5-dichloro-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



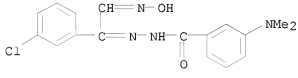
RN 864446-84-4 CAPLUS
CN Benzoic acid, 4-(dimethylamino)-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



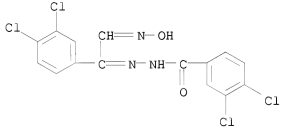
RN 864446-85-5 CAPLUS
CN Benzoic acid, 3,5-dibromo-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



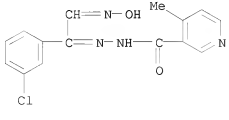
RN 864446-86-6 CAPLUS
CN Benzoic acid, 3-(dimethylamino)-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



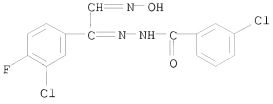
RN 864446-87-7 CAPLUS
CN Benzoic acid, 3,4-dichloro-, 2-[1-(3,4-dichlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



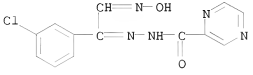
RN 864446-88-8 CAPLUS
CN 3-Pyridinecarboxylic acid, 4-methyl-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



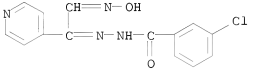
RN 864446-89-9 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[1-(3-chloro-4-fluorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



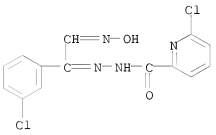
RN 864446-90-2 CAPLUS
CN 2-Pyrazinecarboxylic acid, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



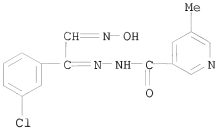
RN 864446-91-3 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[2-(hydroxyimino)-1-(4-pyridinyl)ethylidene]hydrazide (CA INDEX NAME)



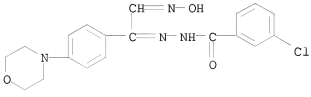
RN 864446-92-4 CAPLUS
CN 2-Pyridinecarboxylic acid, 6-chloro-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



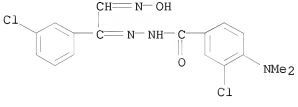
RN 864446-93-5 CAPLUS
CN 3-Pyridinecarboxylic acid, 5-methyl-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



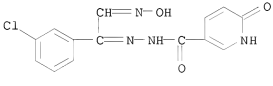
RN 864446-94-6 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[2-(hydroxyimino)-1-[4-(4-morpholinyl)phenyl]ethylidene]hydrazide (CA INDEX NAME)



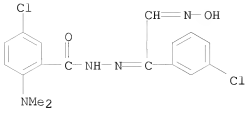
RN 864446-95-7 CAPLUS
CN Benzoic acid, 3-chloro-4-(dimethylamino)-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



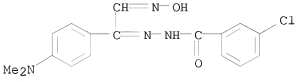
RN 864446-96-8 CAPLUS
CN 3-Pyridinecarboxylic acid, 1,6-dihydro-6-oxo-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



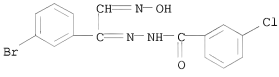
RN 864446-97-9 CAPLUS
CN Benzoic acid, 5-chloro-2-(dimethylamino)-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



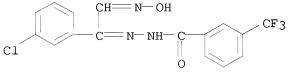
RN 864446-98-0 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[1-[4-(dimethylamino)phenyl]-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



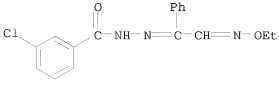
RN 864446-99-1 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[1-(3-bromophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



RN 864447-01-8 CAPLUS
CN Benzoic acid, 3-(trifluoromethyl)-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)

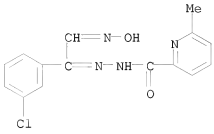


RN 864447-02-9 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[2-(ethoxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)

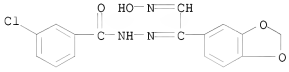


RN 864447-03-0 CAPLUS

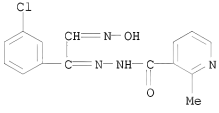
CN 2-Pyridinecarboxylic acid, 6-methyl-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



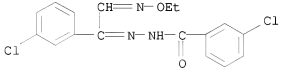
RN 864447-04-1 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[1-(1,3-benzodioxol-5-yl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



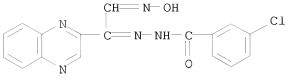
RN 864447-05-2 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-methyl-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



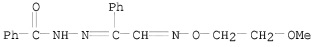
RN 864447-06-3 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[1-(3-chlorophenyl)-2-(ethoxyimino)ethylidene]hydrazide (CA INDEX NAME)



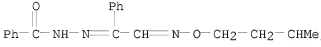
RN 864447-07-4 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[2-(hydroxyimino)-1-(2-quinoxalinyl)ethylidene]hydrazide (CA INDEX NAME)



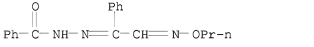
RN 864447-08-5 CAPLUS
CN Benzoic acid, 2-[2-[(2-methoxyethoxy)imino]-1-phenylethylidene]hydrazide (CA INDEX NAME)



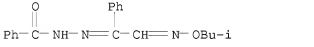
RN 864447-09-6 CAPLUS
CN Benzoic acid, 2-[2-[(3-methylbutoxy)imino]-1-phenylethylidene]hydrazide (CA INDEX NAME)



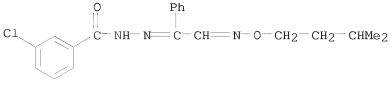
RN 864447-10-9 CAPLUS
CN Benzoic acid, 2-[1-phenyl-2-(propoxyimino)ethylidene]hydrazide (CA INDEX NAME)



RN 864447-11-0 CAPLUS
CN Benzoic acid, 2-[2-[(2-methylpropoxy)imino]-1-phenylethylidene]hydrazide (CA INDEX NAME)

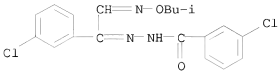


RN 864447-12-1 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[2-[(3-methylbutoxy)imino]-1-phenylethylidene]hydrazide (CA INDEX NAME)

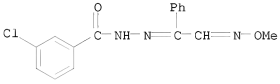


RN 864447-13-2 CAPLUS

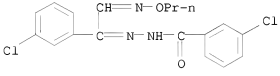
CN Benzoic acid, 3-chloro-, 2-[1-(3-chlorophenyl)-2-[(2-methylpropoxy)imino]ethylidene]hydrazide (CA INDEX NAME)



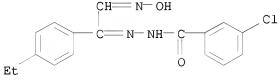
RN 864447-14-3 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[2-(methoxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



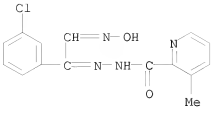
RN 864447-15-4 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[1-(3-chlorophenyl)-2-(propoxyimino)ethylidene]hydrazide (CA INDEX NAME)



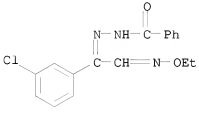
RN 864447-16-5 CAPLUS
CN Benzoic acid, 3-chloro-, 2-[1-(4-ethylphenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



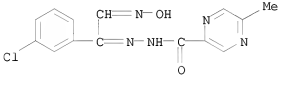
RN 864447-18-7 CAPLUS
CN 2-Pyridinecarboxylic acid, 3-methyl-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



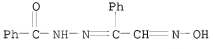
RN 864447-19-8 CAPLUS
CN Benzoic acid, 2-[1-(3-chlorophenyl)-2-(ethoxyimino)ethylidene]hydrazide (CA INDEX NAME)



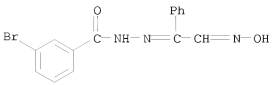
RN 864447-20-1 CAPLUS
CN 2-Pyrazinecarboxylic acid, 5-methyl-, 2-[1-(3-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



IT 58644-42-1 419537-92-1, 3-Bromo-N'-[2-(hydroxyimino)-1-phenylethylidene]benzoic hydrazide
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of benzohydrazide lipoxygenase inhibitors useful in treatment of inflammatory diseases)
RN 58644-42-1 CAPLUS
CN Benzoic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



RN 419537-92-1 CAPLUS
CN Benzoic acid, 3-bromo-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ACCESSION NUMBER: 2004:471224 CAPLUS
DOCUMENT NUMBER: 141:184081
TITLE: Copper(II) Complexes of a Series of Alkoxy Diazine Ligands: Mononuclear, Dinuclear, and Tetranuclear Examples with Structural, Magnetic, and DFT Studies
AUTHOR(S): Grove, Hilde; Kelly, Timothy L.; Thompson, Laurence K.; Zhao, Liang; Xu, Zhiqiang; Abedin, Tareque S. M.; Miller, David O.; Goeta, Andres E.; Wilson, Claire; Howard, Judith A. K.
CORPORATE SOURCE: Department of Chemistry, Memorial University, St. John's, NL, A1B 3X7, Can.
SOURCE: Inorganic Chemistry (2004), 43(14), 4278-4288
CODEN: INOCAJ; ISSN: 0020-1669
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LANGUAGE: English
OTHER SOURCE(S): CASREACT 141:184081

AB Picolyl hydrazide ligands have two potentially bridging functional groups (μ-O, μ-N-N) and consequently can exist in different coordination conformers, both of which form spin-coupled polynuclear coordination complexes, with quite different magnetic properties. [Cu2(POAP-H)Br3(H2O)] (1) involves a μ-N-N bridge (Cu-N-N-Cu 150.6°) and exhibits quite strong antiferromagnetic coupling (-2J = 246(1) cm-1). [Cu2(PZOAPZ-H)Br3(H2O)2] (2) has two Cu(II) centers bridged by an alkoxide group with a large Cu-O-Cu angle (141.7°) but exhibits quite weak antiferromagnetic exchange (-2J = 91.5 cm-1). This is much weaker than anticipated, despite direct overlap of the Cu magnetic orbitals. D. functional calcns. on 2, yield a similar singlet-triplet splitting energy. Structural details are reported for [Cu2(POAP-H)Br3(H2O)] (1), [Cu2(PZOAPZ-H)Br3(H2O)2] (2), [Cu2(PAOPF-2H)Br2(DMSO)(H2O)]·H2O (3), [Cu4(POMP-H)4](NO3)4·2H2O (4), and PPOCCO (5) (a picolyl hydrazide ligand with a terminal oxime group) and its mononuclear complexes [Cu(PPOCCO-H)(NO3)] (6) and [Cu(PPOCCO-H)Cl] (7). Compound 1 (C12H13Br3Cu2N5O4) crystallizes in the monoclinic system, space group P21/c, with a 15.1465(3), b 18.1848(12), c 6.8557(5) Å, β 92.751(4)°, and Z = 4. Compound 2 (C10H13Br3Cu2N7O4) crystallizes in the triclinic system, space group P.hivin.1, with a 9.14130(1), b 10.4723(1), c 10.9411(1) Å, α 100.769(1), β 106.271(1), γ 103.447(1)°, and Z = 2. Compound 3 (C23H22Br2Cu2N7O5.5S) crystallizes in the monoclinic system, space group P21/c, with a 12.406(2), b 22.157(3), c 10.704(2) Å, β 106.21(1)°, and Z = 4. Compound 4 (C52H48Cu4N20O18) crystallizes in the monoclinic system, space group P21/n, with a 14.4439(6), b 12.8079(5), c 16.4240(7) Å, β 105.199(1)°, and Z = 4. Compound 5 (C15H14N4O2) crystallizes in the orthorhombic system, space group Pna21, with a 7.834(3), b 11.797(4), c 15.281(3) Å, and Z = 4. Compound 6 (C15H13CuN5O5) crystallizes in the monoclinic system, space group P21/c, with a 8.2818(9), b 17.886(2), c 10.828(1) Å, β 92.734(2)°, and Z = 4. Compound 7 (C15H13CuClN4O2) crystallizes in the orthorhombic system,

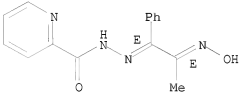
space group Pna21, with a 7.9487(6), b 14.3336(10), c 13.0014(9) Å, and Z = 4. D. functional calcns. on PPOCCO were examined in relation to the anti-eclipsed conformational change that occurs on coordination to Cu(II).

IT 735270-67-4P
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and crystal structure and complexation with copper(II))

RN 735270-67-4 CAPLUS

CN 2-Pyridinecarboxylic acid, (2E)-2-[(2E)-2-(hydroxyimino)-1-phenylpropylidene]hydrazide (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:100096 CAPLUS

DOCUMENT NUMBER: 136:288198

TITLE: Synthetic and antimicrobial studies of hexacoordinated ternary complexes of Mn(II) and Cu(II)

AUTHOR(S): Agarwal, Suresh K.; Jain, Jaya; Chand, Subhash

CORPORATE SOURCE: Department of Chemistry, Lajpat Rai Postgraduate College, Sahibabad, 201 005, India

SOURCE: Asian Journal of Chemistry (2002), 14(1), 489-492
CODEN: AJCHEW; ISSN: 0970-7077

PUBLISHER: Asian Journal of Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

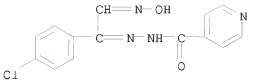
OTHER SOURCE(S): CASREACT 136:288198

AB Some new ternary complexes of Mn(II) and Cu(II) with isonitrosoacetophenone isonicotinoyl hydrazone (INAPIH)/4-chloroisonitrosoacetophenone isonicotinoyl hydrazone (ClINAPIH) as primary and 1-(o-methoxyanilinomethyl)benzimidazole (MAMB) as secondary ligand were synthesized and their structural features were studied from anal., spectral and molar conductance data. Anal. data suggest 1:1:1 (M-L/L'-L'') stoichiometric composition for the isolated ternary complexes (M = Mn2+/Cu2+, L = deprotonated INAPIH, L' = deprotonated ClINAPIH and L'' = MAMB). The complexes show 1:1 electrolytic nature. IR spectra confirm the tridentate and bidentate behavior of the hydrazone (INAPIH/ClINAPIH) and Mannich base (MAMB), resp. Electronic spectral data propose octahedral stereochem. for the complexes. The complexes show greater antimicrobial activity (S. aureus and E. coli) than the corresponding ligands (no data).

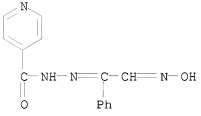
IT 92103-03-2P 106271-24-3P
RL: BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(preparation, antimicrobial activity, and complexation with manganese(II) and copper(II))

RN 92103-03-2 CAPLUS

CN 4-Pyridinecarboxylic acid, 2-[1-(4-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



RN 106271-24-3 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)

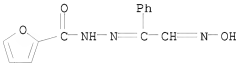


REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

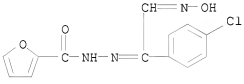
L4 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:782345 CAPLUS
DOCUMENT NUMBER: 136:272166
TITLE: Synthesis, spectral, thermal and biological studies of Pd(II), Rh(III) and Pt(IV) ternary complexes with isonitrosoacetophenone-2-furoic hydrazone/4-chloroisonitrosoacetophenone-2-furoic hydrazone as primary and 1-(o-methoxyanilinomethyl)benzimidazole as secondary ligand
AUTHOR(S): Agarwal, Suresh K.; Chand, Subhash
CORPORATE SOURCE: Department of Chemistry L. R. Postgraduate College, Sahibabad, 201 005, India
SOURCE: Ultra Scientist of Physical Sciences (2001), 13(2), 267-270
CODEN: USPSE5
PUBLISHER: Ultra Scientist of Physical Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 136:272166

AB Ternary complexes of Pd(II), Rh(III) and Pt(IV) with isonitrosoacetophenone-2-furoic hydrazone (INAPFH) or 4-chloroisonitrosoacetophenone-2-furoic hydrazone (ClINAPFH) as primary and 1-(o-methoxyanilinomethyl)benzimidazole (MAMB) as secondary ligand were synthesized. Their structural features were studied by elemental anal., magnetic, spectral, conductance and thermal decomposition data. The complexes are [PdLL'']Cl, [PdL'L'']Cl, [RhLL'']Cl]Cl, [RhL'L'']Cl]Cl, [PtLL'']Cl]Cl2, and [PtL'L'']Cl]Cl2 where L/L' = deprotonated INAPFH/ClINAPFH and L = MAMB. Pd(II) and Rh(III) complexes show 1:1 electrolytic nature while Pt(IV) complexes are 1:2 electrolytes. IR spectra confirm the tridentate nature of the hydrazone and bidentate nature of the Mannich base (MAMB) in Rh(III) and Pt(IV) complexes while in Pd(II) complexes, both of them act as bidentate ligands. Reflectance spectral data correspond to square planar geometry of Pd(II) and octahedral geometry of Rh(III) and Pt(IV) complexes. The complexes possess antimicrobial and fungicidal activity.

IT 329320-91-4P 357173-29-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and complexation with palladium(II), rhodium(III) and platinum(IV) in presence of 1-(o-methoxyanilinomethyl)benzimidazole)
RN 329320-91-4 CAPLUS
CN 2-Furancarboxylic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



RN 357173-29-6 CAPLUS
CN 2-Furancarboxylic acid, 2-[1-(4-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



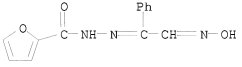
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:464740 CAPLUS
DOCUMENT NUMBER: 135:204430
TITLE: Synthesis and structural studies of Cr(III) and Fe(III) ternary complexes
AUTHOR(S): Agarwal, Suresh K.; Chand, Subhash
CORPORATE SOURCE: Department of Chemistry, Lajpat Rai Postgraduate College, Sahibabad, 201 005, India
SOURCE: Asian Journal of Chemistry (2001), 13(3), 1101-1104
CODEN: AJCHEW; ISSN: 0970-7077
PUBLISHER: Asian Journal of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 135:204430
AB [MLL1(OH2)]X2 (M = Cr, Fe; L = 1-(o-methoxyanilinomethyl)benzimidazole; HL1 = isonitrosoacetophenone-2-furoic hydrazide/4-chloroisonitrosoacetophenone-2-furoic hydrazide (INAPFH/ClINAPFH); X = Cl, NO3) were prepared and characterized by chemical anal., magnetic, spectral and thermogravimetric studies. Comparison of the IR spectra of ligands and complexes shows the tridentate nature of the hydrazide with oximino and azomethine N and carbonyl O as the donor sites and bidentate behavior of the L possessing N atoms of the C=N (benzimidazole ring) and NH as potential donors. Magnetic moments, reflectance spectral bands and values of ligand field parameters show that the complexes possess octahedral stereochem. The complexes are thermally stable up to 150° and a mass-loss corresponding to one mol. of H2O at 160-180° shows coordinated H2O in them. At 570-700°, organic ligands are completely lost and stable metallic oxides were obtained.
IT 329320-91-4P 357173-29-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and complexation with chromium and iron)

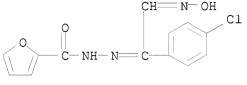
RN 329320-91-4 CAPLUS

CN 2-Furancarboxylic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



RN 357173-29-6 CAPLUS

CN 2-Furancarboxylic acid, 2-[1-(4-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:47911 CAPLUS

DOCUMENT NUMBER: 134:231144

TITLE: Synthesis and structural characterization of some new ternary complexes of Co(II and III) and Ni(II)

AUTHOR(S): Agarwal, Suresh K.; Chand, Subhash

CORPORATE SOURCE: Department of Chemistry, L.R. Postgraduate College, Sahibabad, 201 005, India

SOURCE: Asian Journal of Chemistry (2000), 12(4), 1311-1314
CODEN: AJCHEW; ISSN: 0970-7077

PUBLISHER: Asian Journal of Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 134:231144

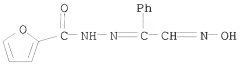
AB Ternary complexes of Co(II and III) and Ni(II) with isonitrosoacetophenone isonicotinic hydrazide (INAPIH)/isonitrosoacetophenone furoic hydrazide (INAPFH) as primary and 1-(o-methoxyanilinomethyl)benzimidazole (MAMB) as secondary ligand were synthesized and characterized from anal., conductance, spectral and TG data. The complexes are of the composition [M(INAPI)/(INAPF)(MAMB)(H2O)]X (M = CoII, X = NO3; M = CoIII, X = Cl2; M = NiII, X = NO3, Cl).

IT 329320-91-4

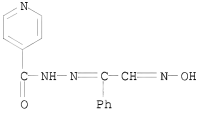
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant for preparation of cobalt(II and III) and nickel(II) isonitrosoacetophenone furoic hydrazide (methoxyanilinomethyl)benzimidazole ternary complexes)

RN 329320-91-4 CAPLUS

CN 2-Furancarboxylic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



IT 106271-24-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant for preparation of cobalt(II and III) and nickel(II) isonitrosoacetophenone isonicotinic hydrazide (methoxyanilinomethyl)benzimidazole ternary complexes)
RN 106271-24-3 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



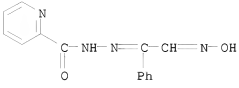
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2000:466824 CAPLUS
DOCUMENT NUMBER: 133:171421
TITLE: Synthesis and structural studies on ternary complexes of VO(IV) and ZrO(IV) with isonitrosoacetophenone picolinoylhydrazone as primary and 1-(o-methoxyanilinomethyl)-5-phenoxybenzimidazole as secondary ligand
AUTHOR(S): Agarwal, Suresh K.; Chand, Subhash
CORPORATE SOURCE: Department of Chemistry, L.R. Postgraduate College, Sahibabad, 201 005, India
SOURCE: Asian Journal of Chemistry (2000), 12(3), 843-846
CODEN: AJCHEW; ISSN: 0970-7077
PUBLISHER: Asian Journal of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Ternary complexes of VO(IV) and ZrO(IV) with isonitrosoacetophenone picolinoylhydrazone (INAPH) as primary and 1-(o-methoxyanilinomethyl)-5-phenoxybenzimidazole (MAMPB) as secondary ligand were synthesized and characterized from anal., magnetic and spectral studies. Anal. data suggested 1:1:1 (M-L-L')X stoichiometric composition for the ternary complexes [where M = VO(IV)/ZrO(IV), L = INAPH and L' = MAMPB, X = Cl, Br, I, NCS]. Electrolytic conductance data revealed 1:1 electrolytic nature of VO(IV) complexes only. However, very low values of conductance in case of ZrO(IV) complexes, indicate their nonelectrolytic behavior. Reflectance spectra of VO(IV) complexes suggested distorted octahedral geometry for them. IR spectra of the ligands and complexes showed tridentate and bidentate behavior of the hydrazone and Mannich base ligands resp. ZrO(IV) complexes possess heptacoordinated structures.
IT 287958-35-4P, Isonitrosoacetophenone picolinoylhydrazone
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(for preparation of vanadyl and zirconyl isonitrosoacetophenone picolinoylhydrazonato (methoxyanilinomethyl)phenoxybenzimidazole complexes)

RN 287958-35-4 CAPLUS

CN 2-Pyridinecarboxylic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1989:449353 CAPLUS

DOCUMENT NUMBER: 111:49353

ORIGINAL REFERENCE NO.: 111:8233a,8236a

TITLE: Synthesis, magnetic and spectral studies on copper(II) chelates of α-oximinobenzoylacetarylamide benzoylhydrazones and salicylhydrazones

AUTHOR(S): Patel, D. M.; Patel, M. M.; Patel, M. R.

CORPORATE SOURCE: Dep. Chem., Sardar Patel Univ., Vallabh Vidyanagar, India

SOURCE: Journal of Indian Council of Chemists (1987), 3(1), 41-5
CODEN: JICCE7; ISSN: 0971-5037

DOCUMENT TYPE: Journal

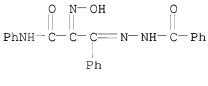
LANGUAGE: English

AB Cu2L2 [HL = RNHCOC(:NOH)C(Ph):NNHCOC6H4R1 (R = Ph, p-MeC6H4, p-ClC6H4, o-MeOC6H4, 2,4-Me2C6H3; R1 = H, OH)] were prepared and characterized by elemental anal., magnetic moments, IR and electronic spectra. Low moments arise from spin coupling by superexchange through the bridging O atom. The 2 imino N atoms also coordinate from the tridentate ligands.

IT 121477-15-4P 121477-16-5P 121477-17-6P
121477-18-7P 121477-19-8P 121477-20-1P
121477-21-2P 121477-22-3P 121477-23-4P
121477-24-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

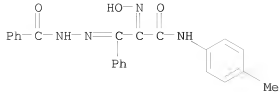
RN 121477-15-4 CAPLUS

CN Benzoic acid, 2-[2-(hydroxyimino)-3-oxo-1-phenyl-3-(phenylamino)propylidene]hydrazide (CA INDEX NAME)

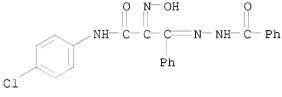


RN 121477-16-5 CAPLUS

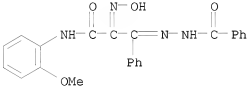
CN Benzoic acid, 2-[2-(hydroxyimino)-3-[(4-methylphenyl)amino]-3-oxo-1-phenylpropylidene]hydrazide (CA INDEX NAME)



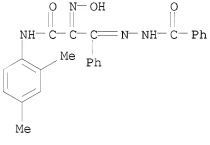
RN 121477-17-6 CAPLUS
CN Benzoic acid, 2-[3-[(4-chlorophenyl)amino]-2-(hydroxyimino)-3-oxo-1-phenylpropylidene]hydrazide (CA INDEX NAME)



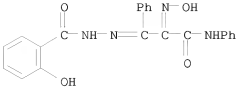
RN 121477-18-7 CAPLUS
CN Benzoic acid, 2-[2-(hydroxyimino)-3-[(2-methoxyphenyl)amino]-3-oxo-1-phenylpropylidene]hydrazide (CA INDEX NAME)



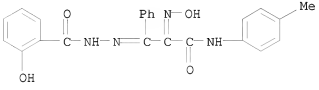
RN 121477-19-8 CAPLUS
CN Benzoic acid, 2-[3-[(2,4-dimethylphenyl)amino]-2-(hydroxyimino)-3-oxo-1-phenylpropylidene]hydrazide (CA INDEX NAME)



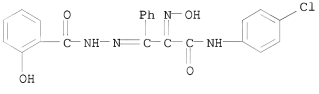
RN 121477-20-1 CAPLUS
CN Benzoic acid, 2-hydroxy-, 2-[2-(hydroxyimino)-3-oxo-1-phenyl-3-(phenylamino)propylidene]hydrazide (CA INDEX NAME)



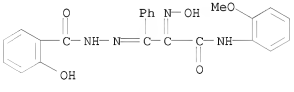
RN 1214477-21-2 CAPLUS
CN Benzoic acid, 2-hydroxy-, 2-[2-(hydroxyimino)-3-[(4-methylphenyl)amino]-3-oxo-1-phenylpropylidene]hydrazide (CA INDEX NAME)



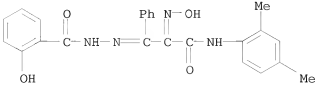
RN 1214477-22-3 CAPLUS
CN Benzoic acid, 2-hydroxy-, 2-[3-[(4-chlorophenyl)amino]-2-(hydroxyimino)-3-oxo-1-phenylpropylidene]hydrazide (CA INDEX NAME)



RN 1214477-23-4 CAPLUS
CN Benzoic acid, 2-hydroxy-, 2-[2-(hydroxyimino)-3-[(2-methoxyphenyl)amino]-3-oxo-1-phenylpropylidene]hydrazide (CA INDEX NAME)

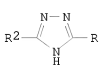


RN 1214477-24-5 CAPLUS
CN Benzoic acid, 2-hydroxy-, 2-[3-[(2,4-dimethylphenyl)amino]-2-(hydroxyimino)-3-oxo-1-phenylpropylidene]hydrazide (CA INDEX NAME)



L4 ANSWER 12 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1976:135602 CAPLUS
DOCUMENT NUMBER: 84:135602
ORIGINAL REFERENCE NO.: 84:22042h,22043a
TITLE: Chemistry of 1,2,4-triazines, VII. Reactions of 1,2,4-triazine 4-oxides
AUTHOR(S): Neunhoeffer, Hans; Boehnisch, Volker
CORPORATE SOURCE: Tech. Hochsch., Darmstadt, Fed. Rep. Ger.
SOURCE: Justus Liebigs Annalen der Chemie (1976), (1), 153-62
CODEN: JLACBF; ISSN: 0075-4617
DOCUMENT TYPE: Journal
LANGUAGE: German
OTHER SOURCE(S): CASREACT 84:135602
GI

I, m=1, n=0
II, m=n=1
III, m=n=0



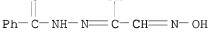
IV

AB Both acidic and basic hydrolysis of triazine oxides I (R = H, R1 = R2 = Me; R = H, R1 = Me, R = R1 = H, R = Me, R1 = H, R = Ph, R1 = H, R = R1 = Me, R2 = Ph) gave 58-81% HON:CR1CR2:NNHCOR, which was also prepared unambiguously from HON:CR1CR2:NNH2 and RCOR3 (R3 = EtO, AcO, Cl). Oxidation of I (R = H, Me, Ph, R1 = H, R2 = Ph; R = Ph, R1 = R2 = Me) gave 15-78% triazine oxides I (R1 = OH) and(or) triazine dioxides II. BzCl reacted with I (R = H, Me, Ph, R1 = H, R2 = Ph) in the presence of H2O to give 63-80% triazines III (R1 = OH). Nitrobenzaldehydes reacted with the Me groups of I (R = Me, R1 = H, R2 = Ph; R = H, R1 = Me, R2 = Ph) to give 13-48% (nitrostyryl)triazines I (R = nitrostyryl, R1 = H, R2 = Ph; R = H, R1 = 4-nitrostyryl, R2 = Ph). Uv irradiation of I (R = H, R1 = Me, R2 = Me, Ph; R = H, Me, Ph, R1 = H, R2 = Ph) gave 48-82% the corresponding triazines III and(or) triazoles IV.

IT 58644-42-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 58644-42-1 CAPLUS

CN Benzoic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



L4 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1976:58862 CAPLUS
DOCUMENT NUMBER: 84:58862
ORIGINAL REFERENCE NO.: 84:9667a,9670a
TITLE: Potential antimycobacterial agents. III. Condensation products of diphenylamine-2-carboxylic acid hydrazides with aldehydes and ketones and their evaluation as antibacterials

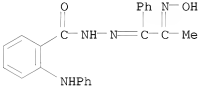
AUTHOR(S): Bahadur, Surendra; Goel, Anil K.; Varma, R. S.
CORPORATE SOURCE: Chem. Dep., Univ. Lucknow, Lucknow, India
SOURCE: Journal of the Indian Chemical Society (1975), 52(9), 843-6
CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE: Journal
LANGUAGE: English

GI For diagram(s), see printed CA Issue.

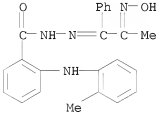
AB Reaction of I (R = 2-MeO, 2-EtO, 3-Cl, 4-Br) with p-R1C6H4CHO (R1 = NO2, Br, Cl, MeO) gave 70-5% II. Reaction of I (R = H, 2-, 3-, 4-Me, 3-Cl, 2-EtO, 2-MeO) with PhCOR1 gave 65-8% III. Reaction of I with α-isonitrosopropiophenone gave 75-80% IV. II, III and IV were tested against Escherichia coli, Bacillus magaterium, Staphylococcus aureus, and Salmonella typhi. Some of the tested compds. were effective antibacterials.

IT 58153-81-4P 58153-82-5P 58153-83-6P
58153-84-7P 58153-85-8P 58153-86-9P
58153-87-0P 58153-88-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and antibacterial activity of)

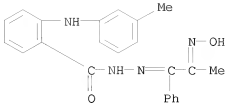
RN 58153-81-4 CAPLUS
CN Benzoic acid, 2-(phenylamino)-, [2-(hydroxyimino)-1-phenylpropylidene]hydrazide (9CI) (CA INDEX NAME)



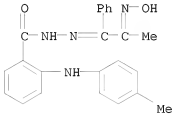
RN 58153-82-5 CAPLUS
CN Benzoic acid, 2-[(2-methylphenyl)amino]-, [2-(hydroxyimino)-1-phenylpropylidene]hydrazide (9CI) (CA INDEX NAME)



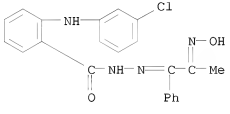
RN 58153-83-6 CAPLUS
CN Benzoic acid, 2-[(3-methylphenyl)amino]-, [2-(hydroxyimino)-1-phenylpropylidene]hydrazide (9CI) (CA INDEX NAME)



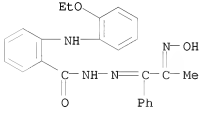
RN 58153-84-7 CAPLUS
CN Benzoic acid, 2-[(4-methylphenyl)amino]-, [2-(hydroxyimino)-1-phenylpropylidene]hydrazide (9CI) (CA INDEX NAME)



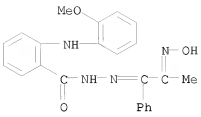
RN 58153-85-8 CAPLUS
CN Benzoic acid, 2-[(3-chlorophenyl)amino]-, [2-(hydroxyimino)-1-phenylpropylidene]hydrazide (9CI) (CA INDEX NAME)



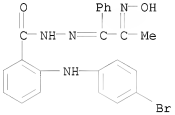
RN 58153-86-9 CAPLUS
CN Benzoic acid, 2-[(2-ethoxyphenyl)amino]-, [2-(hydroxyimino)-1-phenylpropylidene]hydrazide (9CI) (CA INDEX NAME)



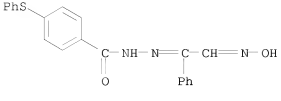
RN 58153-87-0 CAPLUS
CN Benzoic acid, 2-[(2-methoxyphenyl)amino]-, [2-(hydroxyimino)-1-phenylpropylidene]hydrazide (9CI) (CA INDEX NAME)



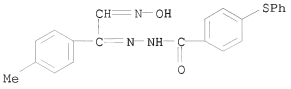
RN 58153-88-1 CAPLUS
CN Benzoic acid, 2-[(4-bromophenyl)amino]-, [2-(hydroxyimino)-1-phenylpropylidene]hydrazide (9CI) (CA INDEX NAME)



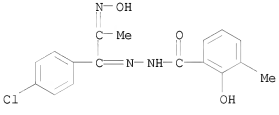
L4 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1971:141198 CAPLUS
DOCUMENT NUMBER: 74:141198
ORIGINAL REFERENCE NO.: 74:22811a,22814a
TITLE: Potential antiviral and antituberculous compounds. I. N-1-Acyl-N-4-aryl or alkyl thiosemicarbazides, Schiff's bases, and condensation products of hydrazides and isonitrosoketones
AUTHOR(S): Misra, Vinay S.; Saxena, Anakshi
CORPORATE SOURCE: Chem. Dep., Lucknow Univ., Lucknow, India
SOURCE: Indian Journal of Applied Chemistry (1969), 32(6), 373-6
CODEN: IJACAN; ISSN: 0019-5065
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Twenty-one condensation products of p-(phenylthio)benzoic acid hydrazide with aldehydes, ketones, and isonitroso ketones and of p-(phenylsulfonyl)benzoic acid hydrazide with several alkyl and aryl isothiocyanates were synthesized in 55-95% yields by refluxing the starting materials in 95% EtOH 0.5-4 hrs.
IT 32119-06-5P 32119-07-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 32119-06-5 CAPLUS
CN Benzoic acid, p-(phenylthio)-, (α-formylbenzylidene)hydrazide α-oxime (8CI) (CA INDEX NAME)



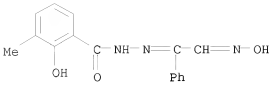
RN 32119-07-6 CAPLUS
CN Benzoic acid, p-(phenylthio)-, (α-formyl-p-methylbenzylidene)hydrazide α-oxime (8CI) (CA INDEX NAME)



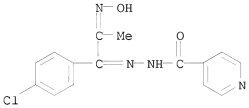
L4 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1966:69878 CAPLUS
DOCUMENT NUMBER: 64:69878
ORIGINAL REFERENCE NO.: 64:13124d-e
TITLE: Antitubercular activity of new amidines, thiosemicarbazides, thiosemicarbazones, and hydrazides in vitro
AUTHOR(S): Varma, R. S.; Gupta, K. C.; Nath, Amar; Misra, V. S.
CORPORATE SOURCE: Univ. Lucknow
SOURCE: Indian Journal of Microbiology (1964), 4(1-4), 63-6
CODEN: IJMBAC; ISSN: 0046-8991
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Eleven of the thiosemicarbazones, thiosemicarbazides, and hydrazides showed antitubercular activity against Mycobacterium tuberculosis H37Rv, M. tuberculosis strain Ravenel, M. avium B 19-2, M. phlei, M. tuberculosis ATCC 607. Seven showed antibacterial activity against Staphylococcus aureus, five against Shigella flexneri, and one against Salmonella paratyphi A. No antibacterial activity was shown by the amidines. None of the compds. showed antifungal activity against 5 different microorganism.
IT 7021-30-9 7021-34-3
(Derived from data in the 7th Collective Formula Index (1962-1966))
RN 7021-30-9 CAPLUS
CN 2,3-Cresotic acid, (α-acetyl-p-chlorobenzylidene)hydrazide, oxime (7CI, 8CI) (CA INDEX NAME)



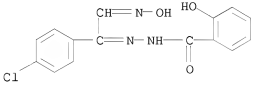
RN 7021-34-3 CAPLUS
CN 2,3-Cresotic acid, (α-formylbenzylidene)hydrazide, oxime (7CI, 8CI) (CA INDEX NAME)



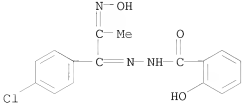
IT 7021-35-4, Isonicotinic acid, (α-acetyl-p-chlorobenzylidene)hydrazide, oxime
(as bactericide)
RN 7021-35-4 CAPLUS
CN Isonicotinic acid, (α-acetyl-p-chlorobenzylidene)hydrazide, oxime (7CI, 8CI) (CA INDEX NAME)



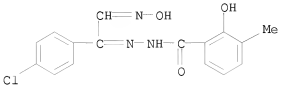
IT 7021-29-6, Salicylic acid, (p-chloro-α-formylbenzylidene)hydrazide, oxime 7021-31-0, Salicylic acid, (α-acetyl-p-chlorobenzylidene)hydrazide, oxime 7021-32-1, 2,3-Cresotic acid, (p-chloro-α-formylbenzylidene)hydrazide, oxime 7091-85-2, Salicylic acid, (α-formyl-p-methylbenzylidene)hydrazide, oxime
(bactericidal activity of)
RN 7021-29-6 CAPLUS
CN Salicylic acid, (p-chloro-α-formylbenzylidene)hydrazide, oxime (7CI, 8CI) (CA INDEX NAME)



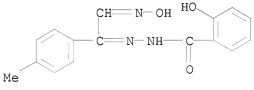
RN 7021-31-0 CAPLUS
CN Salicylic acid, (α-acetyl-p-chlorobenzylidene)hydrazide, oxime (7CI, 8CI) (CA INDEX NAME)



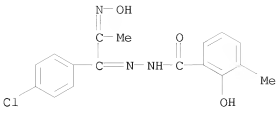
RN 7021-32-1 CAPLUS
CN 2,3-Cresotic acid, (p-chloro-α-formylbenzylidene)hydrazide, oxime (7CI, 8CI) (CA INDEX NAME)



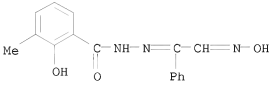
RN 7091-85-2 CAPLUS
CN Salicylic acid, (α-formyl-p-methylbenzylidene)hydrazide, oxime (7CI, 8CI) (CA INDEX NAME)



L4 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1966:69877 CAPLUS
DOCUMENT NUMBER: 64:69877
ORIGINAL REFERENCE NO.: 64:13124c-d
TITLE: Acridine Orange and Crystal Violet as radiomimetic agents
AUTHOR(S): Zampieri, A.; Greenberg, J.
CORPORATE SOURCE: Palo Alto Med. Res. Found., Palo Alto, CA
SOURCE: Giorn. Microbiol (1965), 13(3), 177-90
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Radiosensitive strains and radioresistant mutants of Escherichia coli were tested for sensitivity to the title compds. The radioresistant mutants R4 and B/r were more resistant to Crystal Violet than were the radiosensitive strains B and S. Bacterial inactivation by Acridine Orange was more effective on radiosensitive strains only if the treatment were performed in complete broth medium. Both chemicals were activated by visible light. Neither plating medium nor heat recovery could be observed. A high percentage of radiosensitive cells surviving treatment with Acridine Orange and Crystal Violet were resistant to uv light.
IT 7021-30-9 7021-34-3
(Derived from data in the 7th Collective Formula Index (1962-1966))
RN 7021-30-9 CAPLUS
CN 2,3-Cresotic acid, (α-acetyl-p-chlorobenzylidene)hydrazide, oxime (7CI, 8CI) (CA INDEX NAME)



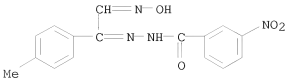
RN 7021-34-3 CAPLUS
CN 2,3-Cresotic acid, (α-formylbenzylidene)hydrazide, oxime (7CI, 8CI) (CA INDEX NAME)



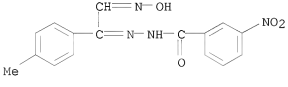
L4 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1965:86764 CAPLUS
DOCUMENT NUMBER: 62:86764
ORIGINAL REFERENCE NO.: 62:15479d-f
TITLE: Effect of solvent on the change of the free energy of molecules of carboxylic acids in solution
AUTHOR(S): Konovalov, O. M.
CORPORATE SOURCE: All-Union Sci.-Res. Inst. Single Crystals, Kharkov
SOURCE: Zhurnal Fizicheskoi Khimii (1965), 39(3), 693-8
CODEN: ZFKHA9; ISSN: 0044-4537
DOCUMENT TYPE: Journal
LANGUAGE: Russian

AB The change in the free energy of a mol. of AcOH, butyric, monochloroacetic, benzoic, salicylic, and o-, m-, and p-nitrobenzoic acids in changing solvents from H2O to MeOH, EtOH, and Me2CO in dilute solns. was determined by the electromotive force of cells (H2)|HA|AgA-Ag. The difference in the dissociation consts. of an acid in 2 solvents δpK = 2 logγ°i - log γ°M, where γ°i is the zero activity coefficient of the ions and γm° is that of the mol. More accurate thermodynamic values for carboxylic acids could be obtained from exptl. δpK and log γ°i from δpK + log γ°M. For all acids log γ°M was neg., i.e. the energy of reaction with H2O was less than that with other solvents. It was shown that the dipole-dipole reaction was not the primary contributing factor to the change in free energy but the reaction of nonpolar mol. with mol. of the solvent. The change in the free energy of an acid mol. in charging solvents was of the same order as the change in free energy of ions.

IT 94671-90-6, Benzoic acid, m-nitro-, (α-formyl-p-methylbenzylidene)hydrazide, oxime
(free energy of, in solution, solvents and)
RN 94671-90-6 CAPLUS
CN Benzoic acid, 3-nitro-, 2-[2-(hydroxyimino)-1-(4-methylphenyl)ethylidene]hydrazide (CA INDEX NAME)



L4 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1964:26965 CAPLUS
DOCUMENT NUMBER: 60:26965
ORIGINAL REFERENCE NO.: 60:4770a-b
TITLE: Thermometric titrations in acetonitrile
AUTHOR(S): Forman, E. J.; Hume, D. N.
CORPORATE SOURCE: Massachusetts Inst. of Technol., Cambridge
SOURCE: Talanta (1964), 11(2), 129-37
CODEN: TLNTA2; ISSN: 0039-9140
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The use of acetonitrile as a medium for thermometric acid-base titrations was studied. Satisfactory titrations are obtainable for a wide variety of amines and organic acids, but the instability of the solvent in the presence of strong bases greatly limits its practical applicability. Data are given on the heats of neutralization of various acids in acetonitrile, and the results for meta- and para-substituted benzoic acids are shown to correlate well with their Hammett σ-values.
IT 94671-90-6, Benzoic acid, m-nitro-, (α-formyl-p-methylbenzylidene)hydrazide, oxime
(heat of neutralization of and thermometric titration of)
RN 94671-90-6 CAPLUS
CN Benzoic acid, 3-nitro-, 2-[2-(hydroxyimino)-1-(4-methylphenyl)ethylidene]hydrazide (CA INDEX NAME)



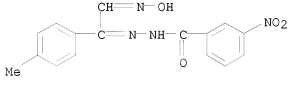
L4 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1963:451878 CAPLUS
DOCUMENT NUMBER: 59:51878
ORIGINAL REFERENCE NO.: 59:9391f-g
TITLE: Thermodynamic properties of electrolytes in nonaqueous solutions. XIV. Calculation of the transport energy of acids from one solvent to another
AUTHOR(S): Izmailov, M. A.; Chernyi, V. S.; Spivak, L. L.
CORPORATE SOURCE: State Univ., Kharkov
SOURCE: Zhurnal Fizicheskoi Khimii (1963), 37(4), 822-8
CODEN: ZFKHA9; ISSN: 0044-4537
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. CA 55, 6129b, 16106f; 57, 9285f, 11920h. The difference in the acid strength in H2O and in nonaq. solvents was calculated for a number of acids in alcs., NH3, HCOOH, and compared to the energy of transolvation of the proton, log γ0H+. The change in the energy for the transfer of acid

anions and undissocd. acid mol. to different solvents was calculated from data on the solubility of the acids, and from these values it was shown that the change in the acid strength, ApK, can be evaluated for the different solvents.

IT 94671-90-6, Benzoic acid, m-nitro-, (α-formyl-p-methylbenzylidene)hydrazide, oxime
(heat of transfer of, between solvents, ionization and)

RN 94671-90-6 CAPLUS

CN Benzoic acid, 3-nitro-, 2-[2-(hydroxyimino)-1-(4-methylphenyl)ethylidene]hydrazide (CA INDEX NAME)



L4 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1963:415491 CAPLUS

DOCUMENT NUMBER: 59:15491

ORIGINAL REFERENCE NO.: 59:2763c-e

TITLE: Possible antituberculosis compounds. XIV. Condensation products of hydrazides and isonitroso ketones

AUTHOR(S): Misra, Vinay S.; Varma, Rajendra S.

CORPORATE SOURCE: Univ. Lucknow, India

SOURCE: Journal of the Indian Chemical Society (1962), 39, 763-4
CODEN: JICSAH; ISSN: 0019-4522

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

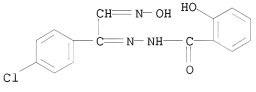
AB cf. CA 57, 16473e. The title compds. were prepared (Giammanco, CA 55, 18725h) by refluxing for 2-4 hrs. various hydrazides and isonitroso ketones in 95% EtOH, filtering, and recrystallizing the products from EtOH. The compds. obtained had the formula HON:CRCR':NNHCOR'' (R, R', R'', and m.p. given): H, Ph, Ph, 170°; H, Ph, 2-HOC6H4, 182°; H, Ph, 4-HOC6H4, 241°; H, Ph, 3-O2NC6H4, 238°; H, Ph, 5,2-Me(HO)C6H3, 208-10° (decomposition); H, Ph, 3,2-Me(HO)C6H3, 183°; H, Ph, benzyl, 110-15°; H, 4-tolyl, Ph, 226°; H, 4-tolyl, 2-HOC6H4, 220-4°; H, 4-tolyl, 4-HOC6H4, 253-4°; H, 4-tolyl, 3-O2NC6H4, 249°; H, 4-tolyl, 5,2-Me(HO)C6H3, 222°, H, 4-tolyl, 4-pyridyl, 210-12° (decomposition); H, 4-ClC6H4, Ph, 237°; H, 4-ClC6H4, 2-HOC6H4, 215°, H, 4-ClC6H4, 4-HOC6H4, 222°; H, 4-ClC6H4, 5,2-Me(HO)C6H3, 255-7°; H, 4-ClC6H4, 3,2-Me(HO)C6H3, 184°; H, 4-ClC6H4, 4-pyridyl, 113°; H, 4-ClC6H4, benzyl, 154-5°; Me, 4-ClC6H4, Ph, 211°; Me, 4-ClC6H4, 2-HOC6H4, 165-8°; Me, 4-ClC6H4, 4-HOC6H4, 216°; Me, 4-ClC6H4, 3-O2NC6H4, 209°; Me, 4-ClC6H4, 5,2-Me(HO)C6H3, 178°; Me, 4-ClC6H4, 3,2-Me(HO)C6H2, 191°; Me, 4-ClC6H4, 4-pyridyl, 152-3°; and Me, 4-ClC6H4, benzyl, 230°.

IT 7021-29-6P, Salicylic acid, (p-chloro-α-formylbenzylidene)hydrazide, oxime 7021-30-9P, 2,3-Cresotic acid, (α-acetyl-p-chlorobenzylidene)hydrazide, oxime 7021-31-0P, Salicylic acid, (α-acetyl-p-chlorobenzylidene)hydrazide, oxime 7021-32-1P, 2,3-Cresotic acid, (p-chloro-α-formylbenzylidene)hydrazide, oxime 7021-34-3P, 2,3-Cresotic acid, (α-formylbenzylidene)hydrazide, oxime 7021-35-4P, Isonicotinic

acid, (α-acetyl-p-chlorobenzylidene)hydrazide, oxime
7091-85-2P, Salicylic acid, (α-formyl-p-
methylbenzylidene)hydrazide, oxime 58644-42-1P, Benzoic acid,
(α-formylbenzylidene)hydrazide, oxime 92103-03-2P,
Isonicotinic acid, (p-chloro-α-formylbenzylidene)hydrazide, oxime
92433-99-3P, Benzoic acid, p-hydroxy-, (p-chloro-α-
formylbenzylidene)hydrazide, oxime 92555-05-0P, Salicylic acid,
(α-formylbenzylidene)hydrazide, oxime 92874-85-6P, Benzoic
acid, (α-acetyl-p-chlorobenzylidene)hydrazide, oxime
92874-88-9P, Benzoic acid, p-hydroxy-, (α-acetyl-p-
chlorobenzylidene)hydrazide, oxime 92874-89-0P, 2,5-Cresotic
acid, (p-chloro-α-formylbenzylidene)hydrazide, oxime
92968-47-3P, Benzoic acid, (α-formyl-p-
methylbenzylidene)hydrazide, oxime 92968-72-4P, Benzoic acid,
p-hydroxy-, (α-formyl-p-methylbenzylidene)hydrazide, oxime
93313-68-9P, 2,5-Cresotic acid, (α-acetyl-p-
chlorobenzylidene)hydrazide, oxime 93721-80-3P, Benzoic acid,
m-nitro-, (α-formylbenzylidene)hydrazide, oxime 93734-44-2P
, Isonicotinic acid, (α-formyl-p-methylbenzylidene)hydrazide, oxime
93818-96-3P, 2,5-Cresotic acid, (α-formyl-p-
methylbenzylidene)hydrazide, oxime 94064-01-4P, Benzoic acid,
(p-chloro-α-formylbenzylidene)hydrazide, oxime 94207-02-0P
, Benzoic acid, m-nitro-, (α-acetyl-p-chlorobenzylidene)hydrazide,
oxime 94671-90-6P, Benzoic acid, m-nitro-, (α-formyl-p-
methylbenzylidene)hydrazide, oxime
RL: PREP (Preparation)
(preparation of)

RN 7021-29-6 CAPLUS

CN Salicylic acid, (p-chloro-α-formylbenzylidene)hydrazide, oxime (7CI, 8CI) (CA INDEX NAME)



RN 7021-30-9 CAPLUS

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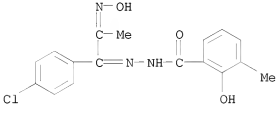

RN 7021-31-0 CAPLUS

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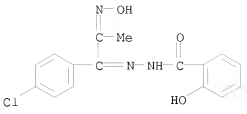

RN 7021-32-1 CAPLUS
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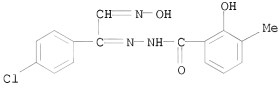

RN 7021-34-3 CAPLUS
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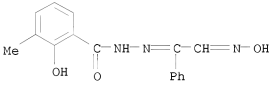

RN 7021-35-4 CAPLUS
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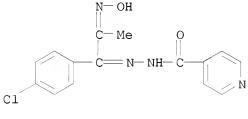

RN 7091-85-2 CAPLUS
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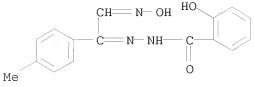
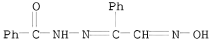
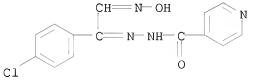


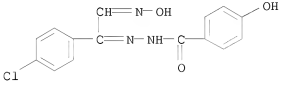
RN 58644-42-1 CAPLUS
CN Benzoic acid, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



RN 92103-03-2 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-[1-(4-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



RN 92433-99-3 CAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[1-(4-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



RN 92555-05-0 CAPLUS
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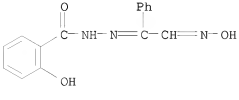

RN 92874-85-6 CAPLUS
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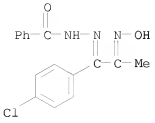

RN 92874-88-9 CAPLUS
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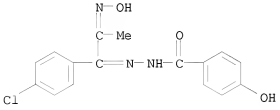
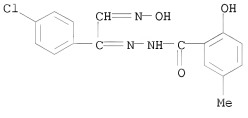
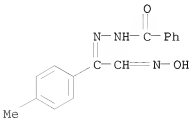


RN 92874-89-0 CAPLUS
CN Benzoic acid, 2-hydroxy-5-methyl-, 2-[1-(4-chlorophenyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



RN 92968-47-3 CAPLUS
CN Benzoic acid, 2-[2-(hydroxyimino)-1-(4-methylphenyl)ethylidene]hydrazide (CA INDEX NAME)



RN 92968-72-4 CAPLUS
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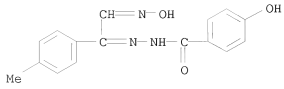

RN 93313-68-9 CAPLUS
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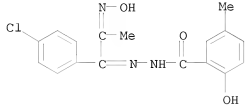

RN 93721-80-3 CAPLUS
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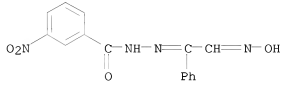

RN 93734-44-2 CAPLUS
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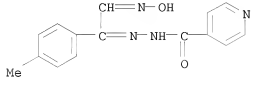

RN 93818-96-3 CAPLUS
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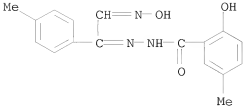

RN 94064-01-4 CAPLUS
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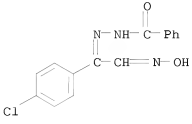

RN 94207-02-0 CAPLUS
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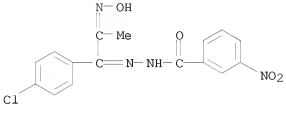
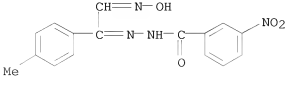


RN 94671-90-6 CAPLUS
CN Benzoic acid, 3-nitro-, 2-[2-(hydroxyimino)-1-(4-methylphenyl)ethylidene]hydrazide (CA INDEX NAME)



L4 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1962:423229 CAPLUS
DOCUMENT NUMBER: 57:23229
ORIGINAL REFERENCE NO.: 57:4662i,4663a-i,4664a-d
TITLE: Synthesis of some 1,2,4-triazines
AUTHOR(S): Atkinson, C. M.; Cossey, H. D.
CORPORATE SOURCE: Chelsea Coll. Sci. Technol., London

SOURCE: Journal of the Chemical Society (1962) 1805-11
CODEN: JCSOA9; ISSN: 0368-1769
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
OTHER SOURCE(S): CASREACT 57:23229

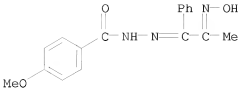
AB A wide variety of 1,2,4-triazines has been synthesized by the cyclization of acylhydrazones of α-diketones by NH4OAc (I) in hot AcOH under controlled conditions. The scope of the reaction has been extended by the use of unsym. α-diketones and components of the resulting mixts. of triazines have been separated and identified. Spectroscopic evidence on the structure of some dihydro-1,2,4-triazines is presented. Bz2 and the appropriate acid hydrazide (equimolar amts.) in AcOH treated with a 10-fold excess of I, refluxed, cooled, and filtered directly or after dilution with H2O gave the corresponding 3-substituted-5,6-diphenyl-1,2,4-triazine (II). Bz2 (10 g.) and 2.4 g. HCONHNH2 (III) in 50 cc. AcOH refluxed 4 hrs. with 36 g. I, filtered from 0.35 g. yellow solid, m. 205-30°, and poured into H2O, and the yellow sticky precipitate (9.1 g.) extracted with boiling ligroine (b. 60-80°) left a yellow oily residue which chromatographed on 75 g. Al2O3 gave 15 mg. solid, m. 213-14°, and 170 mg. solid, m. 211-12°; the ligroine extract treated with cooling with dry HCl and filtered, the residue shaken with 6N NaOH and Et2O, and the residue (5.2 g.) from the Et2O layer chromatographed from 25 cc. C6H6 on 150 g. Al2O3 yielded 25 mg. needles, m. 196-7° (EtOH), 0.59 g. 3-Me derivative (IV) of 5,6-diphenyl-1,2,4- triazine (V), m. 92-4° (ligroine), 60 mg. colorless prisms, m. 211-12°, and 0.58 g. V, m. 117° (EtOH and sublimed); the ligroine-HCl mother liquor shaken with alkali and evaporated, and the yellow residue, m. 118-20°, chromatographed on 15 g. Al2O3 yielded 40 mg. needles, m. 213-14° (ligroine), 30 mg. needles, m. 196-7°, and 20 mg. needles, m. 211-12°. By the general method were prepared the following compds. II (3-substituent, reaction time in hrs., cc. AcOH used/g. Bz2, % yield, and m.p. given): p-MeOC6H4, 4, 2.5, 75, 159-60° (AcOH); p-BrC6H4, 72, 8, 70, 140-1° (EtOH); p-ClC6H4, 24, 5, 53, 152-3° (AcOH); -O2NC6H4, 4, 4, 56, 194° (AcOH); m-O2NC6H4, 4, 4, 71, 195° (AcOH); p-O2NC6H4, 4, 4, 71, 201° (AcOH); p-HOC6H4, 4, 10, 48, 262-3° (EtOAc); o-H2NC6H4, 0.5, 5, 60, 163-4° (EtOH); p-H2NC6H4, 0.5 (in 90% AcOH), 5, 8 [3-(p-acetamidophenyl)-5,6-diphenyl-1,2,4-triazine was also obtained], 218-19° (aqueous MeOH); p-AcNHC6H4 (from paminobenzhydrazide), 8, 5, 83, 270 (AcOH); Me, 24, 4, 45, 92-4° (petr. ether) (1% 2,3,5-triphenylimidazole was also isolated); 3-pyridyl, --, 5, 60, 174-5° (MeOH); 4-pyridyl, --, 5, 62, 161-2° (EtOAc); 2-phenyl-4-quinolyl, 10, 65, 281-2° (EtOAc). 3-SH derivative (5 g.) of V in 500 cc. boiling EtOH treated with 10 g. Raney Ni, kept 10 min., filtered, and evaporated, the residual brown oil (3.5 g.) in CHCl3 extracted with N Na2CO3 and then with 2N HCl, the acid extracted basified and extracted with CHCl3, and the extract worked up gave 0.25 g. prisms, m. 234-6° (decomposition); the original CHCl3 solution and the brown oily residue triturated with ligroine, dissolved in 250 cc. C6H6, and chromatographed on 100 g. Al2O3, yielded 0.12 g. V, m. 117°, 0.14 g. needles, m. 225-7°, and 0.13 g. needles, m. 234-6°; the ligroine extract evaporated, and the residue sublimed at 110-20°/0.1 mm. gave an addnl. 0.35 g.V. Bz2 (10.5 g.), 3 g. III, and 100 cc. 90% HCO2H heated 4 hrs. with 31 g. HCO2NH4, cooled, and filtered yielded 5.7 g. bisbenzil azine, yellow needles, m. 203-4° (AcOH). AcBz (25 g.) and 23 g. BzNHNH2 in 250 cc. AcOH refluxed 8 hrs. with 130 g. I, poured into H2O, and faltered, and the residue chromatographed on 750 g. Al2O3 yidded 6.3 g. 5-methyl-3,6-diphenyl-1,2,4-triazine (VI), m. 123-4°, and 3.3 g. 6-methyl-3,5-diphenyl-1,2,4-triazine (VII), m. 109-10°; the mother liquors evaporated, and the residue combined with the oily fractions and

chromatographed on 500 g. Al2O3 yielded 0.4 g. VI and 3.7 g. VII. Benzoylhydrazone (3 g.) of AcBz in 20 cc. AcOH heated 4 hrs. with 8.7 g. I, cooled, and worked up gave 10% VI and 28% VII. AcBz (5 g.) and 5.6 g. p-MeOC6H4CONHNH2 (VIIa) in 50 cc. AcOH heated 8 hrs. with 26 g. I, poured into iced H2O, and filtered, and the residue (7.7 g.) extracted with ligroine left a yellow residue, m. 164-9°; the extract deposited 3.75 g. 3-(p-methoxyphenyl)-6-methyl-5-phenyl-1,2,4-tri-azine (VIII), yellow needles, m. 122-3°; the residue, m. 164-9°, crystallized from MeOH gave 0.5 g. 3-(p-methoxyphenyl)-5-methyl-6-phenyl-1,2,4-triazine (IX), yellow needles, m. 169-70°. α-Hydroxyiminopropiophenone (X) (5.0 g.) and 5.1 g. VIIa in 20 cc. AcOH heated 1 hr. and cooled yielded 8.6 g. (crude) p-methoxybenzoylhydrazone (XI) of X, needles, m. 191-2°, which refluxed with 0.1N HCl and EtOH gave X, m. 114-15°. I (7.1 g.) and 3 g. XI in 30 cc. AcOH refluxed 4 hrs., cooled, and poured into H2O gave 1.05 g. (crude) IX, pale yellow plates, m. 169-70° (ligroine). X (5 g.) and 5 g. VIIa in 200 cc. AcOH heated 2 hrs., cooled, treated with I, refluxed again 8 hrs., cooled, poured into H2O, and filtered, the residue extracted with boiling ligroine, and the extract concentrated to beginning crystallization gave 0.9 g. IX; the mother liquor yielded 0.05 g. VIII, m. 121-2° (MeOH). α-(p-Methoxybenzamido)propiophenone (XII) (7.4 g.) and 1.5 g. 98% N2H4.H2O in 100 cc. EtOH heated 8 hrs. with 7.0 cc. concentrated HCl, concentrated to half volume, diluted with H2O, basified with NH4OH, and filtered yielded 3.75 g. 2(or 4), 5-dihydro-3-(p-methoxyphenyl)-5-methyl-6-phenyl-1,2,4-triazine (XIII), needles, m. 196-8° (MeOH). XIII (2 g.) in 100 cc. refluxing Me2CO treated during 2 hrs. with 2% aqueous KMnO4, and the resulting solid dissolved in AcOH and poured into H2O gave 1.6 g. IX; the aqueous AcOH phase basified with NH4OH gave 0.12 g. unchanged XIII. α-Benzamido-propiophenone (10 g.) and 2 g. N2H4.H2O in 100 cc. EtOH refluxed 8 hrs. with concentrated HCl, cooled, diluted with H2O, and basified with NH4OH yielded 9.7 g. (crude) 2(or 4),5-dihydro-5-methyl-3,6-diphenyl-1,2,4-triazine (XIV), needles, m. 194-5° (aqueous MeOH). XIV (2 g.) in 400 cc. refluxing Me2CO treated during 4 hrs. with 400 cc. 2% aqueous KMnO4 in portions gave 1.45 g. VI, yellow needles, m. 123-4° (ligroine). XIV (2.5 g.) in 50 cc. 50% aqueous AcOH added to 1 g. K2Cr2O7 in 5 cc. H2O, refluxed 2 hrs., and cooled gave 0.33 g. VI; the filtrate diluted with H2O gave 0.05 g. VI and 1.65 g. unchanged XIV. 2(or 4),5-Dihydro-3,6-diphenyl-1,2,4-triazine (XV) (2 g.) in 200 cc. refluxing Me2CO treated during 1 hr. with 100 cc. 5% KMnO4 in portions yielded 0.5 g. 3,6-diphenyl-1,2,4-triazine (XVI), yellow needles, m. 156-7° (EtOH). XV (0.5 g.) heated 10 min. at 200°, cooled, dissolved in AcOH, and diluted with H2O gave 0.06 g. XVI; the aqueous phase contained 0.25 g. unchanged XV, m. 195-8°. BzCH(NH2)Et.SnCl4 (21 g.) in 210 cc. cold H2O treated with cooling with 14.7 g. p-MeOC6H4COCl and 63 g. KOH in 110 cc. H2O, stirred, and extracted with Et2O yielded 12 g. XII, prisms, m. 114-15°. XIV (1 g.) in 50 cc. absolute MeOH containing 1 g. Na and 5 g. Me2SO4 heated 24 hrs. at 150° in a sealed tube and evaporated, and the residue diluted with H2O and filtered gave 0.85 g. XIV, m. 194-5°, and 0.1 g. VI, m. 123-4°. The ultraviolet absorption maximum of the various triazines, and the ultraviolet and infrared absorption maximum of the dihydrotriazines are tabulated.

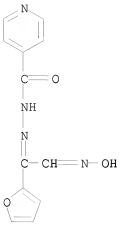
IT 93818-93-0P, p-Anisic acid, (α-acetylbenzylidene)hydrazide, oxime
RL: PREP (Preparation)
(preparation of)

RN 93818-93-0 CAPLUS

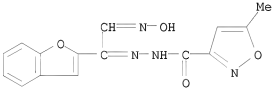
CN Benzoic acid, 4-methoxy-, 2-[2-(hydroxyimino)-1-phenylpropylidene]hydrazide (CA INDEX NAME)



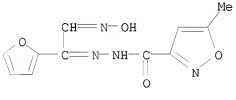
L4 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1962:53281 CAPLUS
DOCUMENT NUMBER: 56:53281
ORIGINAL REFERENCE NO.: 56:10076a-e
TITLE: Condensation of hydrazides with isonitroso ketones. II
AUTHOR(S): Giammanco, Lorenzo; Giambrone, Salvatore
CORPORATE SOURCE: Univ. Palermo, Italy
SOURCE: Annali di Chimica (Rome, Italy) (1961), 51, 777-84
CODEN: ANCRAI; ISSN: 0003-4592
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. CA 55, 18725h. Four procedures were followed to prepare a total of 16 condensation products, RCONHN:CR'C(R''):NOH. A. Equimolar amts. of an isonitroso ketone and a hydrazide were mixed in 10 times their weight of EtOH and their weight of AcOH, the mixture heated 2 hrs., cooled. and the precipitate filtered off and purified. B. The same as A without AcOH. C. The same as A up to cooling; the product was precipitated with acid after diluting with much water and making alkaline with 10% KOH, decolorizing, and filtering. D. Reactants were heated sep. in 5 times their weight of EtOH and mixed. After several days at room temperature, the solvent was evaporated and the oily or solid product purified. Two unreported isonitroso ketones were prepared 2-Acetylfuran (5.6 g.) was added to 1.15 g. Na in 30 ml. absolute EtOH, and with cooling with ice, 7 g. fresh amyl nitrite was added. After 12 hrs. at 0°, excess water was added and the mixture extracted with ether directly (or after saturation with CO2) to give isonitroso-2-acetylfuran (I), m. 118-20° (ligroine). Isonitroso-2-acetylcoumarone (H), prepared as was I, m. 152° (dilute alc.). Similar products were prepared (hydrazide, isonitroso ketone, method, and m.p. of product given): isonicotinoyl (III), I, A, 215° (decomposition) (alc.); III, II, A, 230° (decomposition) (AcOH); III, diethyl ketone (IV), B, 228-30° (EtOH); III, benzylacetone (V), B, 225-8° (dioxane); acetyl (VI), IV, B, 175° (alc.); VI, V, C, 185-7° (alc.); VI, I, A, 168° (C6H6-alc.); α-methyl-α-isoxazolyl (VII), IV, A, 170° (alc.-C6H6); VII, V, A, 165° (decomposition) (alc.); VII, II, D, 196° (decomposition) (alc.); VII, I, C, 175-7° (C6H6); cyanoacetyl (VIII), acetone, B, 205° (decomposition) (alc.); VIII, methyl ethyl ketone, B, 190° (decomposition) (alc.); VIII, V, A, 170° (alc.); VIII, IV, B, 180-2° (alc.); VIII, I, -, 170° (alc.-C6H6). VIII was used owing to its strong tuberculostatic activity.
IT 96812-44-1
(Derived from data in the 7th Collective Formula Index (1962-1966))
RN 96812-44-1 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-[1-(2-furanyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



IT 93721-81-4P, 3-Isoxazolecarboxylic acid, 5-methyl-, (2-benzofuranylformylmethylene)hydrazide, oxime 94625-39-5P, 3-Isoxazolecarboxylic acid, 5-methyl-, (α-formylfurfurylidene)hydrazide, oxime
RL: PREP (Preparation)
(preparation of)
RN 93721-81-4 CAPLUS
CN 3-Isoxazolecarboxylic acid, 5-methyl-, 2-[1-(2-benzofuranyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)

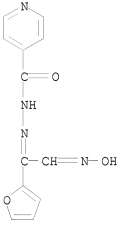


RN 94625-39-5 CAPLUS
CN 3-Isoxazolecarboxylic acid, 5-methyl-, 2-[1-(2-furanyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)



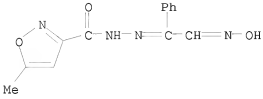
L4 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1962:53280 CAPLUS
DOCUMENT NUMBER: 56:53280
ORIGINAL REFERENCE NO.: 56:10075h-i,10076a
TITLE: 6,6'-Bis(4-pyrones)
AUTHOR(S): Stachel, H. D.
CORPORATE SOURCE: Univ. Marburg/Lahn, Germany
SOURCE: Angewandte Chemie (1961), 73, 736
CODEN: ANCEAD; ISSN: 0044-8249
DOCUMENT TYPE: Journal

LANGUAGE: Unavailable
GI For diagram(s), see printed CA Issue.
AB The title compds. were prepared by heating bis(dioxenones) (I) with enamines. Thus, I and Et β-piperidinocrotonate give II, λmaximum 275 and 240 mμ (in MeOH). I and 1-piperidino-1-cyclohexene give III, λmaximum 277 and 231 mμ (in dioxane).
IT 96812-44-1
(Derived from data in the 7th Collective Formula Index (1962-1966))
RN 96812-44-1 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-[1-(2-furanyl)-2-(hydroxyimino)ethylidene]hydrazide (CA INDEX NAME)

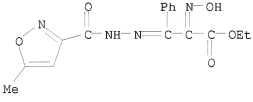


L4 ANSWER 24 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1961:99450 CAPLUS
DOCUMENT NUMBER: 55:99450
ORIGINAL REFERENCE NO.: 55:18726a-c
TITLE: Synthesis of four geometric isomers of 1,2,3-trimethyl-4-phenyl-4-piperidinol
AUTHOR(S): Mistryukov, E. A.; Shvetsov, N. I.
CORPORATE SOURCE: N. D. Zelinskii Inst. Org. Chem., Moscow
SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1961) 292-4
CODEN: IASKA6; ISSN: 0002-3353
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. CA 53, 21946b. 1,2,3-Trimethyl-4-piperidinone and PhLi gave mainly the α-isomer of 1,2,3-trimethyl-4-phenyl-4-piperidinol, m. 143-5° (least soluble in MePh); a lesser amount of the β-isomer, m. 118-19°, was isolated from the mother liquors. α-Isomer HCl salt m. 180-3°; β-isomer HCl salt m. 190-5°. The reaction gave a low yield of the γ-isomer, m. 96-7°; HCl salt m. 248°. Treatment of the α-isomer with dry HCl, followed by SOCl2, in CHCl3 (3 h. at reflux) and treatment of the product with aqueous NaOH gave a dehydration product, b2 110-15°, which was treated with HBr in AcOH overnight and then treated with aqueous NaOH to yield 25% γ-isomer of 1,2,3-trimethyl-4-phenyl-4-piperidinol, b2 132-40°, m. 109-11°.
IT 100725-09-5P, Hydrazine, 1-α-formylbenzylidene-2-(5-methyl-3-isoxazolylcarbonyl)-, oxime 856640-00-1P, Hydrocinnamic acid, α,β-dioxo-, ethyl ester, α-oxime, (5-methyl-3-isoxazolylcarbonyl)hydrazone
RL: PREP (Preparation)

(preparation of)
RN 100725-09-5 CAPLUS
CN 3-Isoxazolecarboxylic acid, 5-methyl-, 2-[2-(hydroxyimino)-1-phenylethylidene]hydrazide (CA INDEX NAME)



RN 856640-00-1 CAPLUS
CN 3-Isoxazolecarboxylic acid, 5-methyl-, 2-[3-ethoxy-2-(hydroxyimino)-3-oxo-1-phenylpropylidene]hydrazide (CA INDEX NAME)



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L5            1 100725-09-5/RN

=> d l5

L5   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   100725-09-5  REGISTRY
ED   Entered STN:  08 Mar 1986
CN   3-Isoxazolecarboxylic acid, 5-methyl-, 2-[2-(hydroxyimino)-1-
     phenylethylidene]hydrazide  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   3-Isoxazolecarboxylic acid, 5-methyl-, α-formylbenzylidenehydrazide,
     oxime (6CI)
MF   C13 H12 N4 O3
SR   CAOLD
LC   STN Files:   CA, CAOLD, CAPLUS
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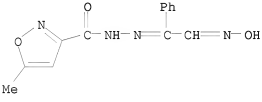


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